

Councilmembers

Position No.

1. Tod Gunther
2. Barbara Ford
3. William Birkes
4. Dave Harman
5. Sam Colorossi
6. Josh Penner, Deputy Mayor
7. Scott Drennen



Orting City Council

Regular Business Meeting Agenda

Orting Public Safety Building
401 Washington Ave. SE, Orting, WA

July 29, 2015
7 p.m.

Audience members are welcome to speak on any topic on the agenda after Councilmembers have finished their discussion.

Mayor Joachim Pestinger, Presiding

1. CALL MEETING TO ORDER

- A. Pledge of Allegiance
- B. Roll Call

2. REQUEST FOR ADDITIONS OR CORRECTIONS TO THE AGENDA

3. CONSENT AGENDA

- A. *Minutes of July 8, 2015
- B. *Payroll and Claims Warrants

Motion: *Move to approve Consent Agenda as prepared.*

4. COMMENTS FROM CITIZENS - *Persons wishing to address the City Council regarding items of new business are encouraged to do so at this time. When recognized by the Mayor, please come to the podium and clearly state your name and address. Please limit your comments to 3 minutes. If you desire a formal agenda placement, please contact the City Clerk at 360-893-2219. Thank you for attending.*

5. PRESENTATIONS

- A. Water Use Efficiency Goals – City Engineer, Parametrix - **JC Hungerford**

6. COMMITTEE AND STANDING REPORTS

- A. Community & Government Affairs – **CM Ford/CM Harman**
- B. Public Safety – **DM Penner/CM Ford**
- C. Transportation – **CM Drennen/DM Penner**
- D. Technology and Land Use – **CM Gunther/CM Harman**
- E. Lodging Tax Advisory – **CM Birkes**
- F. Miscellaneous activity reports, i.e. PSRC, special meetings, etc.

7. PUBLIC HEARINGS

- A. *2015 Hazard Mitigation Plan • **City Administrator Bethune**
Resolution No. 2015-7 • 2015 Hazard Mitigation Plan

Motion: *Move to adopt Resolution No. 2015-7, adopting the Region 5 All Hazard Mitigation Plan 2015-2020 Edition; adopting the City of Orting Addendum to the Region 5 Hazard Mitigation Plan; and updating the Pierce County Natural Hazard Mitigation Plan.*

- B. *Removal of Planning Commission Member • **Mayor Pestinger**
 - Open Public Hearing
 - Close Public Hearing

Motion: *Move to approve the removal of Planning Commissioner Moeller and to begin the process of seeking new applicants for Position No. 3 with term ending December 31, 2018.*

C. *Financing Strategies for Additional Police Officer • **DM Penner**
Resolution No. (2015-10, 11 or 12) • Proposed Ballot Measures

Motion: To approve Resolution No. 2015-10, providing for the submission to the qualified electors of the city at an election to be held on November 3, 2015, of a proposition authorizing the city to lift the levy limit established in RCW 84.55.010 to provide funds to pay costs of public safety services including additional police department personnel and equipment proposing to increase the City's regular property tax levy; **OR,**

Motion: To approve Resolution No. 2015-11, providing for the submission to the qualified electors of the city at an election to be held on November 3, 2015, of a proposition authorizing the city to lift the levy limit established in RCW 84.55.010 to provide funds to pay costs of public safety services including additional police department personnel and equipment proposing to increase the City's regular property tax levy over the course of three years to a rate not to exceed \$2.30/\$1,000 of assessed value for collection in 2018; **OR,**

Motion: To approve Resolution No. 2015-12, providing for the submission to the qualified electors of the City at an election to be held on November 3, 2015, of a proposition authorizing the city to adopt a tax of 11.4% on water, waste water and storm water utilities to provide funds to pay costs of public safety services including police department personnel and equipment;

and,

Motion: To delegate the appointment of "For" and "Against" Committees to the Mayor who will choose applicants on a "first come, first serve" basis.

8. OLD BUSINESS

A. Emergency Evacuation Bridge Lead Agency Agreement • **CM Drennen**

9. NEW BUSINESS

A. * High Cedars Force Main & Lift Station Replacement • **CM Drennen**

Motion: To approve the low bid of \$1,067,905.73 from Northwest Cascade, Inc. for the High Cedars Force Main & Lift Station Replacement.

B. *Customer Bill of Rights • **City Administrator Bethune**

Motion: To approve the Customer Bill of Rights as written.

C. * Repealing & Reenacting 2-4 of the OMC – Cemetery Board • **CM Colorossi**
Ordinance No. 2015-969 • Repealing & Reenacting OMC- 2-4, Cemetery Board

Motion: To approve Ordinance No. 2015-969, repealing and reenacting Title 2, Chapter 4 of the Orting Municipal Code concerning Cemetery Board.

10. RECESS TO EXECUTIVE SESSION

11. ADJOURN

Motion: Move to Adjourn.

Note: An * indicates enclosures or attachments

Next Regular Meeting: August 12, 2015



ORTING CITY COUNCIL MEETING MINUTES

Public Safety Building, 401 Washington Ave. Se

JULY 8, 2015

Mayor Joachim Pestinger called the meeting to order with the flag salute at 7:00 pm in the Orting Public Safety Building. Roll call found in attendance Deputy Mayor Josh Penner, Councilmembers Sam Colorossi, Scott Drennen, William Birkes, Barbara Ford, Tod Gunther and Dave Harman.

ATTENDANCE:

City Employees	Mark Bethune, City Administrator Rachel Pitzel, City Clerk	Bill Drake, Police Chief Stephen Vincenti, Treasurer
Professional Representatives	Jay Long, Attorney – Kenyon Disend JC Hungerford, Engineer – Parametrix Roger Wagoner, City Planner – BHC Consultants	
Visitors (signed in)	Howard Robson Mary Walsh Margaret Ryals	Gwen Robson Steven Nielson

REQUEST FOR ADDITIONS OR CORRECTIONS TO THE AGENDA:

Councilmember Colorossi requested to add an item under the Finance Report regarding the purchase of a utilities pickup truck.

CONSENT AGENDA:

Councilmember Colorossi moved to approve the Consent Agenda as prepared. Second by Councilmember Birkes. Motion carried (7-0).

COMMENTS FROM CITIZENS:

Gwen Robson	Reported on the US Army 62nd Brigade – “give back to soldiers” program, which asks families to host Soldiers for Thanksgiving and Christmas holiday dinners. She encouraged volunteers to come forward and to get in touch with her if people are interested.
Mary Walsh	Commented on the Emergency Evacuation Bridge System. Encouraged Council to build a pedestrian bridge for the City; wanted to encourage Council to take Lead Agency on the project and protect the route.
Margaret Ryals	Commented on the evacuation concerns and feels the bridge should be top priority of the city residents. She noted dedicating the variance on Rocky Road being essential to the evacuation project.

Steven Nielson

Discussed the value of human life and the evacuation plan and preparedness; discussed the failure of the evacuation of the school during the evacuation drill. He stated the need for a Carbon River evacuation plan; discussed environmental statistics.

PRESENTATIONS: (7:13)

Rainier Lane SE 100
Block Utility
Improvements
Construction
Completion

JC Hungerford gave an update of Rainier Lane - he presented Council with a slide show that displayed pictures of previous conditions - sewer installation; water line installation; storm sewer installation; showed the finished projects- thanked the business owners for their patience during this project.

Councilmember Drennen- discussed the infrastructure needs and economic benefits for the downtown district that was all addressed on this project.

Deputy Mayor Penner- expressed his excitement in the project completion; he noted this was the first project he had input on.

Councilmember Colorossi noted that the reason there are still overhead wires was because there was not enough ROW for the PSE and CenturyLink wires.

COMMISSION REPORTS: (7:20)

Parks Commission

Commissioner Nielson, Parks Commission Chair – reported on the Rainier Meadows Playground bids and discussed the Splash Park.

**Planning
Commission**

Commissioner Hoyt - reported on the approval of paint color for the Public Safety Building; discussed agriculture in the Comprehensive Plan 2016 update; discussed importance of citizens being able to provide locally grown food for themselves if they wanted.

Mayor Pestinger discussed how important the Agriculture Zoning is within the city.

COMMITTEE AND STANDING REPORTS: (7:32)

Public Works

Councilmember Drennen reported on being capital base oriented; discussed level of service with current model of Public Works and Utilities.

Finance & Cemetery

Councilmember Colorossi reported on the draft Finance Committee minutes and Committee report; discussed the cemetery vault set up and that they are currently working on a revised ordinance for cemetery. He noted that there was a utility request for a new pickup - he handed out a utility committee request report which described and outlined funds.

Councilmember Birkes questioned if it should be a heavier duty truck for utility needs.

Councilmember Drennen moved to have this item brought back before the Public Works Committee.

Councilmember Drennen withdrew his motion.

Councilmember Birkes moved to approve the purchase of a Ford F250 extended cab utility pick-up truck with 4-wheel drive optional. Second by Councilmember Colorossi. Motion carried (7-0).

Deputy Mayor Penner asked to go back to cemetery report and wondered if the gates can be removed.

Mayor Pestinger noted they have been discussing that issue currently and asked if Council was okay with that.

There was no comment from Council regarding removing the gates.

Miscellaneous

Mayor Pestinger reported that he attended the AWC Conference in Wenatchee, he noted that Ken Wolfe submitted the Levee project to AWC and the City of Orting was awarded the Municipal Small City Successes Excellence Award; Mayor Pestinger stated Ken Wolfe was able to attend and accept the award.

Councilmember Ford reported she attended the AWC Conference as well and it was a great opportunity to network and discuss the issues we face as small cities and how to be successful. She noted she appreciated the opportunity to attend. Discussed Emergency Management Plan; Social Media and Policies, and the level of staff time it takes to maintain social sites for the city.

Finance Director, Steve Vincenti- discussed the July utility billing and reminded folks the due date is on the 25th of the month – 15 days after that shut off begins.

Mayor Pestinger reported on the “mini train station” at McMillin Park, he stated he hand delivered a petition in support of the ST3 project to Sound Transit.

OLD BUSINESS: (7:55)

Emergency
Evacuation Bridge
Lead Agency
Agreement

Councilmember Drennen reported this has been a long process and finally at a point to move forward. Discussed the project and the importance of it. He discussed the agreement and what being a Lead Agency means.

Emergency
Evacuation Bridge

Councilmember Drennen reported on the Scope and Budget and how it was needed to start moving forward on this project.

System Scope and Budget

JC Hungerford explained that he met with Neil Campbell and the Scope and Budget is for the Washington Avenue “over crossing”. He noted before going into the agreement, the Scope and Budget needed to be provided and then the agreement would come back before Council for approval as Lead Agency. He noted the “over crossing” is a reimbursable cost, which means it is all grant funded.

Mayor Pestinger asked about a ROW acquisition for the project.

JC Hungerford noted that the footing of the bridge is as far as the grant.

CM Drennen discussed the Rocky Road easement.

Councilmember Drennen moved to approve the Scope and Budget Engineering for Professional Services regarding the Emergency Evacuation Bridge System in the amount of \$82,621 provided by grant funding. Second by Councilmember Colorossi.

Deputy Mayor Penner asked when the agreement will occur.

JC Hungerford noted this is the first step and the agreement will come back to Council.

Motion carried (7-0).

Street Lighting Request Policy

Councilmember Drennen reported this policy was presented at the last Council meeting, this policy includes the policy for Private Security Lighting; he discussed the policy and why it was created.

Councilmember Drennen moved to approve the Street Lighting Policy & Procedure as written. Second by Councilmember Ford. Motion carried (7-0).

Rezone- 801 Calistoga St. W. –
Ordinance No. 2015-968

City Planner, Roger Wagoner reported at the last meeting Council held a closed record hearing; he noted this ordinance is brought forward to Council due to that meeting.

Councilmember Colorossi moved to approve Ordinance No. 2015-968, relating to Land Use and Zoning; rezoning Parcel No. 0519311093; amending Orting Municipal Code Section 13-3-4; Zoning Map. Second by Councilmember Birkes. Motion carried (7-0).

2015 Comprehensive Plan–
Ordinance No. 2015-967

City Planner, Roger Wagoner reported on the 2015 Comp Plan – he discussed that the same material that Council has seen is included tonight, but in addition is the map that shows the rezone from the closed record hearing decision of the Calistoga Rezone.

Councilmember Birkes moved to approve the Ordinance No. 2015-967, relating to Land Use and Zoning; adopting amendments to the Comprehensive Plan. Second by Councilmember Harman. Motion carried (7-0).

Financing Strategies for Additional Police Officers

Deputy Mayor Penner reported the packet provided Council with good information on rates and asked Council to take a look at those. Discussed level of service and his "Timeline for Funding Strategies for PD" that he handed out to Council. He discussed an Advisory Vote.

Councilmember Colorossi- asked if the cost of vehicles for the officers were included in the \$350k.

Deputy Mayor Penner stated - yes, the vehicles are included in total.

NEW BUSINESS: (8:20)

Catch Basin Cleaning

Councilmember Drennen discussed the NPDES permit and the requirements cities have to meet; he noted how many catch basins the city has.

Councilmember Birkes asked about the video portion and if it was part of this project.

Councilmember Drennen stated no, that video is not going to be a part of the catch basin project.

Councilmember Drennen moved to approve Pipe Line Video & Cleaning as low bidder for catch basin cleaning in the amount of \$24,979.17. Second by Councilmember Ford. Motion carried (7-0).

DM Franchise Agreement –
Resolution No. 2015-9

Councilmember Drennen reported on the service agreement with DM Disposal Co.

City Administrator Bethune discussed DM moving in a new direction with trucks and garbage cans; he noted it is a relatively small increase in rates but better service. He then asked Mark Gingrich from DM to speak to Council regarding the service changes.

Mark Gingrich, DM spokesperson - discussed collection times and service remaining the same; rate increase which would be very minimal; types of cans that are available; and the extra charges that will decrease considerably because of the overweight cans going away because of the new cans which citizens can choose from will allow them to fit their needs better and stay within a weight limit for hose specific cans.

Councilmember Drennen moved to approve Resolution No. 2015-9, entering into the first amendment to the franchise

agreement between the City of Orting and D.M. Disposal Co., Inc. for waste collection services and the proposed rate increase effective November 1, 2015. Second by Councilmember Birkes. Motion carried (7-0).

RECESS COUNCIL MEETING

Mayor Pestinger recessed the regular Council meeting at 8:35 p.m. until the conclusion of the Transportation Benefit District Board meeting

TRANSPORTATION BENEFIT DISTRICT BOARD: (8:35)

- Call the Meeting to Order and Roll Call** Chairman Drennen called to order the meeting of the Transportation Benefit District Board. All members were present.
- Update** Chairman Drennen turned the meeting over to City Administrator Bethune who discussed the Annual Report; he noted the formal report will come before Council at the July 29th meeting.
- Move to Adjourn** ***Boardmember Birkes moved to adjourn the meeting of the Transportation Benefit District Board. Second by Boardmember Ford. Motion carried (7-0).***

RECONVENE COUNCIL MEETING:

Mayor Pestinger reconvened the regular Council meeting at 8:37 pm.

EXECUTIVE SESSION:

Cancelled

ADJOURN:

Councilmember Birkes moved to adjourn. Second by Councilmember Colorossi. Motion carried (7-0).

ATTEST:

Joachim Pestinger, Mayor

Rachel Pitzel, City Clerk

CITY OF ORTING
VOUCHER/WARRANT REGISTER
FOR JULY 29, 2015 COUNCIL

CLAIMS/PAYROLL VOUCHER APPROVAL

CITY OF ORTING

WE, THE UNDERSIGNED, DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE MATERIALS HAVE BEEN FURNISHED, THE SERVICES RENDERED OR THE LABOR PERFORMED AS DESCRIBED HEREIN AND THAT THE CLAIM IS A JUST, DUE AND UNPAID OBLIGATION AGAINST THE CITY OF ORTING, AND THAT WE ARE AUTHORIZED TO AUTHENTICATE AND CERTIFY TO SAID CLAIM.

CLAIMS WARRANTS #42424 THRU #42499
IN THE AMOUNT OF \$ 345,076.18

PAYROLL WARRANTS #22167 THRU #22180
IN THE AMOUNT OF \$ 124,796.70

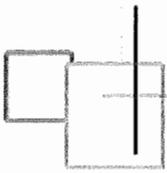
ARE APPROVED FOR PAYMENT ON JULY 29, 2015

FINANCE COMMITTEE CHAIR _____

COUNCILPERSON _____

COUNCILPERSON _____

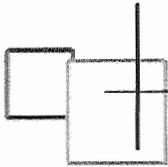
CITY CLERK _____



Fund Transaction Summary

Transaction Type: Invoice
Fiscal: 2015 - July - 2nd Council
System Types: Financials

Account	Description	Amount
001	Current Expense	\$68,877.15
101	City Streets	\$13,839.31
104	Cemetery	\$416.36
105	Parks Department	\$2,052.51
320	Transportation Impact	\$26.90
401	Water	\$37,569.78
408	Wastewater	\$57,956.80
410	Stormwater	\$164,337.37
	Count: 8	\$345,076.18



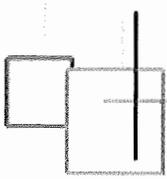
Register

Fiscal: 2015
Deposit Period: 2015 - July
Check Period: 2015 - July - 2nd Council
Bank Accounts: Key Bank - 2000073
Register Types: Warrant
Show Outstanding: All
System Types: Financials
Outstanding Date: 7/24/2015 10:05:48 AM
Show Details: Hide

Number	Name	Print Date	Clearing Date	Amount
Key Bank	2000073			
Check				
<u>42424</u>	Alpine Products Inc.	7/22/2015		\$125.80
<u>42425</u>	Bhc Consultants	7/22/2015		\$11,399.31
<u>42426</u>	Big J'S Outdoor Store	7/22/2015		\$397.43
<u>42427</u>	Bucky's of Orting Inc	7/22/2015		\$155.12
<u>42428</u>	Capital One Commercial	7/22/2015		\$207.23
<u>42429</u>	Ceccanti Inc.	7/22/2015		\$112,045.43
<u>42430</u>	Crystal & Sierra Springs	7/22/2015		\$118.81
<u>42431</u>	Curry & Williams, P.I.I.c	7/22/2015		\$1,800.00
<u>42432</u>	Dell Financial Services Payment Prosessing Services	7/22/2015		\$1,235.41
<u>42433</u>	Enumclaw, City of	7/22/2015		\$1,118.13
<u>42434</u>	Fastenal Company	7/22/2015		\$294.07
<u>42435</u>	Hach Company	7/22/2015		\$149.13
<u>42436</u>	HD Supply Waterworks, Ltd	7/22/2015		\$399.69
<u>42437</u>	Hernandez, Johnny	7/22/2015		\$1,308.12
<u>42438</u>	Home Cleaning Solutions	7/22/2015		\$400.00
<u>42439</u>	Honey Bucket-NW Cascade Inc	7/22/2015		\$130.00
<u>42440</u>	Isenhart, Larry	7/22/2015		\$58.63
<u>42441</u>	Jennings Equipment Inc	7/22/2015		\$200.67
<u>42442</u>	KCDA Purchasing Cooperative	7/22/2015		\$195.76
<u>42443</u>	Keybank	7/22/2015		\$5,027.85
<u>42444</u>	Konica Minolta Business Solutions	7/22/2015		\$331.54
<u>42445</u>	Larson Chrysler Jeep Dodge	7/22/2015		\$288.82
<u>42446</u>	Lemay Mobile Shredding	7/22/2015		\$68.00
<u>42447</u>	Lincoln, Tim	7/22/2015		\$570.00
<u>42448</u>	Micro Data	7/22/2015		\$87.86
<u>42449</u>	Milo's Locksmith Company	7/22/2015		\$212.48
<u>42450</u>	Mountain Mist	7/22/2015		\$40.06
<u>42451</u>	Nova Contraction INC	7/22/2015		\$65,858.37
<u>42452</u>	Orca Pacific, Inc	7/22/2015		\$776.83

Number	Name	Print Date	Amount
42453	Orting Auto Parts	7/22/2015	\$204.98
42454	Public Safety Testing	7/22/2015	\$125.00
42455	Puget Sound Energy	7/22/2015	\$83.04
42456	Ricoh USA INC	7/22/2015	\$251.00
42457	Schwab-Ellison Co, Inc	7/22/2015	\$50.14
42458	South Correctional Entity	7/22/2015	\$5,510.00
42459	Spectral Laboratories	7/22/2015	\$543.00
42460	The News Tribune	7/22/2015	\$902.66
42461	The Walls Law Firm	7/22/2015	\$1,800.00
42462	UniFirst Corporation	7/22/2015	\$148.27
42463	Utilities Underground Location Center	7/22/2015	\$60.06
42464	Valin Process Control & Automation	7/22/2015	\$677.01
42465	Vision Forms LLC	7/22/2015	\$751.83
42466	Washington Wildlife & Rec Coalition	7/22/2015	\$125.00
42467	Water Management Lab Inc.	7/22/2015	\$735.00
42468	Wex Bank	7/22/2015	\$2,426.46
42469	Brisco Inc.	7/29/2015	\$90.30
42470	Christian, Katie	7/29/2015	\$300.00
42471	Cintas Corporation #461	7/29/2015	\$116.76
42472	Columbia Bank	7/29/2015	\$5,397.18
42473	Comcast	7/29/2015	\$20.87
42474	Costco Wholesale	7/29/2015	\$165.00
42475	D.M Disposal CO Inc	7/29/2015	\$1,034.76
42476	Enviro-Clean Equipment, Inc.	7/29/2015	\$310.90
42477	Everson's Econo Vac	7/29/2015	\$250.24
42478	Honey Bucket-NW Cascade Inc	7/29/2015	\$187.50
42479	Kenyon Disend PLLC	7/29/2015	\$24,026.29
42480	Mitel Leasing	7/29/2015	\$481.61
42481	Orca Pacific, Inc	7/29/2015	\$646.54
42482	Orting Valley Fire & Rescue	7/29/2015	\$8.74
42483	Parametrix	7/29/2015	\$58,300.87
42484	Pierce Conservation District	7/29/2015	\$4,000.00
42485	Pierce County Library System	7/29/2015	\$810.00
42486	Pitney Bowes Globel	7/29/2015	\$440.82
42487	Pitney Bowes Purchase Power	7/29/2015	\$38.84
42488	Popular Networks, Llc	7/29/2015	\$3,520.60
42489	Puget Sound Energy	7/29/2015	\$21,806.19
42490	Robbless's Total Security Inc.	7/29/2015	\$229.02
42491	Schwab-Ellison Co, Inc	7/29/2015	\$14.77
42492	Secure Pacific Corp/Mountain Alarm	7/29/2015	\$83.85
42493	Sneesby, Gayle	7/29/2015	\$104.00
42494	Staples Advantage-Dept LA	7/29/2015	\$235.99
42495	Tacoma Rubber Stamp	7/29/2015	\$76.04
42496	US BankNA Custody Treasury Div-Mony Cntr	7/29/2015	\$112.00
42497	Versalift Northwest LLC	7/29/2015	\$250.00

<u>Check #</u>	<u>Name</u>	<u>Date</u>	<u>Amount</u>
<u>42498</u>	Vision Forms LLC	7/29/2015	\$1,866.34
<u>42499</u>	Whitworth Pest Solutions, INC	7/29/2015	\$756.16
		Total	Check
		Total	2000073
		Grand Total	\$345,076.18



Custom Council Report

Vendor	Number	Invoice	Account Number	Notes	Amount
Alpine Products Inc.	42424	TM-150276	104-536-50-48-01	Video Surveillance-Cemetery	\$125.80
				Total	\$125.80
Bhc Consultants	42425	0006892-I	001-558-60-41-02	Planning Consultant-Comp Plan	\$5,353.61
			105-576-80-41-03	Planning Consultant-Comp Plan	\$973.64
		0006892-II	001-558-60-41-02	Planning Consultant	\$5,072.06
				Total	\$11,399.31
Big J'S Outdoor Store	42426	July2015-301	001-521-20-31-01	Ammo	\$54.38
			001-521-20-31-01	Ammo	\$81.57
			105-576-80-31-00	Safety Glasses	\$17.62
			401-534-10-31-04	Jeans for Ewing	\$54.39
			401-534-10-31-04	Boots for Barfield	\$58.73
			408-535-10-31-05	Jeans for Ewing	\$54.38
			408-535-10-31-05	Boots for Barfield	\$58.74
			410-531-38-31-00	Safety Glasses	\$17.62
				Total	\$397.43
Brisco Inc.	42469	July2015-400	001-514-23-43-00	Fuel	\$36.26
			410-531-38-32-02	Fuel	\$54.04
				Total	\$90.30
Bucky's of Orting Inc	42427	024796	001-521-50-48-02	Oil Change-USB Plug Repair-08 Charger	\$155.12
				Total	\$155.12
Capital One Commercial	42428	7003731100048356-July2015	001-521-20-31-03	Copy Paper	\$117.48
			001-521-21-49-00	Water	\$89.75
				Total	\$207.23
Ceccanti Inc.	42429	Pay Request #11-Calistoga Setback Levee	410-594-31-63-15	Pay Request #11-Calistoga Setback Levee	\$96,766.17
		Pay Request #12-Calistoga Setback Levee	410-594-31-63-15	Pay Request #12-Calistoga Setback Levee	\$15,279.26
				Total	\$112,045.43

Vendor	Number	Invoice	Account Number	Notes	Amount
Christian, Katie	42470	July2015-401	001-571-20-31-04	Movie in the Park Set-Up Total	\$300.00 \$300.00
Cintas Corporation #461	42471	461615277	408-535-60-48-04	Park Bathroom Cleaning Total	\$116.76 \$116.76
Columbia Bank	42472	Pay Request 11- Retainage Callistoga Setback Levee-7000752100 Pay Request 12--Retainage Callistoga Setback Levee-7000752100	410-594-31-63-15 410-594-31-63-15	Pay Request11- Retainage Callistoga Setback Levee-7000752100 Pay Request 12-- Retainage Callistoga Setback Levee-7000752100 Total	\$4,661.18 \$736.00 \$5,397.18
Comcast	42473	5839-July2015	001-514-23-42-00 401-534-10-42-01 408-535-10-42-01	Equipment Equipment Equipment Total	\$6.96 \$6.95 \$6.96 \$20.87
Costco Wholesale	42474	000111754030465-2015	001-514-40-49-02	Yearly Membership Total	\$165.00 \$165.00
Crystal & Sierra Springs	42430	5225720 062715	105-576-80-31-00 401-534-10-31-00 408-535-10-31-00	Water for Public Works Water for Public Works Water for Public Works Total	\$24.78 \$32.78 \$61.25 \$118.81
Curry & Williams, P.I.I.c	42431	Invoice - 7/21/2015 9:59:59 AM	001-512-50-10-02	Court Judge-June 2015 Total	\$1,800.00 \$1,800.00
D.M Disposal CO Inc	42475	6156008	408-535-60-47-00	Garbage Service Total	\$1,034.76 \$1,034.76
Dell Financial Services Payment Prosessing Services	42432	78010918	001-594-12-75-03 001-594-14-75-03 001-594-21-75-02 001-594-24-75-05 001-594-76-75-06 101-594-42-75-41 105-594-76-75-04 401-594-34-75-02 408-594-35-64-44	PSB Server City Hall Server PSB Server City Hall Server	\$25.00 \$50.00 \$753.41 \$37.00 \$12.00 \$12.00 \$12.00 \$12.00 \$111.00 \$149.00

Vendor	Account Number	Invoices	Account Number	Notes	Amount
Dell Financial Services Payment Processing Services	42432	78010918	410-594-31-74-02	City Hall Server	\$74.00
				Total	\$1,235.41
Enumclaw, City of	42433	04437	001-523-60-41-00	Jail Fees-June 2015	\$1,118.13
				Total	\$1,118.13
Enviro-Clean Equipment, Inc.	42476	4950061/S15-062604/4950061CM	101-542-30-48-04	Muffler Assembly-FA1033-Credit	(\$142.01)
			101-542-30-48-04	Intake Seal-FA1033	\$20.81
			101-542-30-48-04	Muffler Assembly-FA1033	\$183.37
			410-531-38-48-01	Muffler Assembly-FA1033-Credit	(\$568.00)
			410-531-38-48-01	Intake Seal-FA1033	\$83.26
			410-531-38-48-01	Muffler Assembly-FA1033	\$733.47
				Total	\$310.90
Everson's Econo Vac	42477	075289	408-535-50-51-07	Sewer Line Jet-129 Corrin Ave NW	\$250.24
				Total	\$250.24
Fastenal Company	42434	WAPUY69593	101-594-42-63-07	VanScoyoc Street Lights	\$88.23
			105-594-76-63-31	VanScoyoc Street Lights	\$205.84
				Total	\$294.07
Hach Company	42435	9447455	408-535-10-31-00	Supplies	\$149.13
				Total	\$149.13
HD Supply Waterworks, Ltd	42436	E141139	401-534-50-48-02	Hydrant Parts	\$399.69
				Total	\$399.69
Hernandez, Johnny	42437	July2015-300	001-521-23-41-01	Property Evidence May 15-July 10 2015	\$1,308.12
				Total	\$1,308.12
Home Cleaning Solutions	42438	July2015-302	001-514-21-41-01	Janitorial City Hall	\$300.00
			001-524-20-49-02	Janitorial Building Dept	\$100.00
				Total	\$400.00
Honey Bucket-NW Cascade Inc	42439	2-1249249	408-535-60-48-04	Service Fees	\$50.00
		2-1254466	408-535-60-48-04	Service Fees	\$80.00
	42478	2-1278290	408-535-60-48-04	Honey Bucket Services	\$187.50
				Total	\$317.50

Vendor	Invoice #	Invoice	Account Number	Notes	Amount
Isenhart, Larry	42440	PDPO-15-219	001-521-20-34-00		\$58.63
				Total	\$58.63
Jennings Equipment Inc	42441	59205	105-576-80-48-01	Blade Kit & Blades	\$140.47
			410-531-38-48-01	Blade Kit & Blades	\$60.20
				Total	\$200.67
KCDA Purchasing Cooperative	42442	3923495	105-576-80-48-04	Garbage Can Liners	\$195.76
				Total	\$195.76
Kenyon Disend PLLC	42479	183120/183121	001-515-30-41-01	Retainer	\$3,500.00
			001-515-30-41-02	Legal Fees	\$243.53
			001-515-30-41-02	Legal Fees	\$15,366.26
			001-521-50-41-02	Legal Fees	\$1,488.44
			001-521-50-41-02	Legal Fees	\$2,208.26
			101-542-30-41-05	Legal Fees	\$614.40
			401-534-10-41-04	Legal Fees	\$109.44
			408-535-10-41-04	Legal Fees	\$495.96
				Total	\$24,026.29
Keybank	42443	4438-July2015	001-524-20-31-00	Office Supplies	\$71.11
			001-571-20-31-30	Hawaiian Luau for Daddy Daughter Dance	\$79.17
			001-571-20-31-30	Supplies for Daddy Daughter Dance	\$268.45
			401-534-10-31-00	Bathroom Supplies	\$2.93
			401-534-10-31-00	I Pad Storage	\$6.67
			401-534-10-31-00	Office Supplies	\$8.24
			401-534-10-31-00	Office Supplies	\$18.78
			401-534-10-31-00	Office Supplies	\$67.06
			401-534-10-31-00	Office Supplies	\$146.92
			408-535-10-31-00	Bathroom Supplies	\$2.93
			408-535-10-31-00	I Pad Storage	\$6.67
			408-535-10-31-00	Office Supplies	\$18.78
			408-535-10-31-00	Office Supplies	\$58.74
			408-535-10-31-00	Office Supplies	\$67.06
			408-535-10-31-00	Office Supplies	\$146.92
			408-535-50-48-04	1 1/2 Lexan Fog Nozzle	\$156.70
			410-531-38-31-00	I Pad Storage	\$6.67
		4412-July2015	001-521-20-31-01	Uniform Cleaning	\$16.34
			001-521-20-31-01	Battery for 04 Crown Vic	\$109.37
			001-521-20-31-01	Boots-Hattaway	\$132.98
			001-521-20-31-01	Bike Helmet	\$199.95
			001-521-21-31-01	NIK Drug Test Kits	\$151.95
			001-521-50-48-02	Towing for PD Car	\$57.49
			001-521-50-48-04	Keys	\$56.28
			001-521-50-48-05	Bike Lock	\$22.17
			001-521-50-48-05	Bike Rack for 06 Exploer	\$132.01

Vendor	Account Number	Invoice	Account Number	Notes	Amount
Keybank	42443	4412-July2015	001-521-50-48-05	Bicycle Headlight & Light	\$177.50
			001-521-50-48-05	PD Bike Repair	\$282.80
		4461-July2015	001-513-10-31-00	Management Meeting Lunch	\$50.33
			001-513-10-31-00	Acrobat Pro Subs	\$195.71
			001-514-23-31-02	Check Registers for City	\$11.07
			001-514-23-31-02	Tone for Dell-Front Office	\$16.00
			001-514-23-31-02	Toner for Dell-Back Office	\$25.60
			001-514-40-49-02	CMC Membership-Pitzel	\$50.00
			001-514-40-49-02	Membership Dues-WMCA	\$75.00
			001-521-20-31-06	Check Registers for City	\$11.07
			001-521-20-31-06	Toner for Dell-Back Office	\$25.60
			001-522-20-48-02	Paint Samples for PSB	\$30.59
			001-524-20-31-00	Check Registers for City	\$11.08
			001-524-20-41-05	AWC Training	\$35.00
			001-571-20-31-04	Check Registers for City	\$11.07
			001-571-20-31-04	Tone for Dell-Front Office	\$15.99
			401-534-10-31-00	Check Registers for City	\$11.08
			401-534-10-31-00	Tone for Dell-Front Office	\$16.00
			401-534-10-31-00	Toner for Dell-Back Office	\$25.60
			401-534-10-31-00	Vinegar for Well 1	\$26.34
			408-535-10-31-00	Check Registers for City	\$11.07
			408-535-10-31-00	Tone for Dell-Front Office	\$16.00
			408-535-10-31-00	Toner for Dell-Back Office	\$25.59
			408-535-50-48-02	Replacement for Ss Screen On Headworks	\$1,806.75
			410-531-38-31-00	Check Registers for City	\$11.07
			410-531-38-31-00	Tone for Dell-Front Office	\$16.00
			410-531-38-31-00	Toner for Dell-Back Office	\$25.60
		Total	\$5,027.85		
Konica Minolta Business Solutions	42444	40056669-July2015	001-594-21-75-00	PD Copier Lease	\$331.54
				Total	\$331.54
Larson Chrysler Jeep Dodge	42445	18451	001-521-50-48-02	08 Charger-Diagnostics	\$288.82
				Total	\$288.82

Vendor	Invoice #	Invoice	Account Number	Notes	Amount
Lemay Mobile Shredding	42446	4440500	001-521-20-31-06	PD Shredding	\$68.00
				Total	\$68.00
Lincoln, Tim	42447	1033	001-524-20-49-00	Contracted Building Inspector-June 16-30 2015	\$570.00
				Total	\$570.00
Micro Data	42448	41843	001-521-21-49-00	Police Infraction Books	\$87.86
				Total	\$87.86
Milo's Locksmith Company	42449	69471	105-576-80-31-00	Keys-Locks	\$53.12
			401-534-10-31-00	Keys-Locks	\$53.12
			408-535-10-31-00	Keys-Locks	\$53.12
			410-531-38-31-00	Keys-Locks	\$53.12
				Total	\$212.48
Mitel Leasing	42480	1319182	001-594-12-75-02	PSB Phone Lease	\$16.28
			001-594-21-75-01	PSB Phone Lease	\$127.55
			001-594-22-75-01	PSB Phone Lease	\$127.55
		1319185	001-594-14-75-04	City Hall Phone Lease	\$52.56
			001-594-24-75-01	City Hall Phone lease	\$10.50
			001-594-76-75-01	City Hall Phone lease	\$10.50
			101-594-42-75-01	City Hall Phone lease	\$10.50
			401-594-34-75-01	City Hall Phone lease	\$57.82
			408-594-35-64-55	City Hall Phone lease	\$57.85
			410-594-31-75-01	City Hall Phone lease	\$10.50
				Total	\$481.61
Mountain Mist	42450	039199-July2015	001-514-23-31-02	Water for City Hall	\$40.06
				Total	\$40.06
Nova Contraction INC	42451	Pay Request #4-Rainier Lane SE	401-594-34-63-36	Pay Request #4-Rainier Lane SE	\$22,391.85
			408-594-35-63-31	Pay Request #4-Rainier Lane SE	\$23,709.01
			410-594-31-63-29	Pay Request #4-Rainier Lane SE	\$19,757.51
				Total	\$65,858.37
Orca Pacific, Inc	42452	16217	401-534-10-31-01	Sodium Hypochlorite	\$776.83
	42481	16594	401-534-10-31-01	Sodium Hypochlorite	\$646.54
				Total	\$1,423.37
Orting Auto Parts	42453	1000-July2015	001-575-50-48-02	AC Pro FA 1038	\$43.51
			105-576-80-48-01	CQ Lithium-Tiger Mower FA1004	\$31.51

Vendor	Account Number	Invoice	Account Number	Notes	Amount	
Orting Auto Parts	42453	1000-July2015	105-576-80-48-01	Trailer Ball/Pin-FA1049	\$38.72	
			401-534-50-48-04	Fuel Filter-Old Shop Fuel Tank	\$26.55	
			408-535-50-35-00	Ratchet Driver	\$18.05	
			408-535-50-48-08	Oil & Filter F150-FA1064	\$46.64	
			Total	\$204.98		
Orting Valley Fire & Rescue	42482	2015-37	001-522-20-42-01	Reimbursement for Phone Cord	\$8.74	
			Total	\$8.74		
Parametrix	42483	01-75447	401-534-10-41-29	Orville Water Main Replacement	\$154.26	
			401-534-20-41-30	WSDOT Utiltity Fran Mit Plan	\$50.62	
			401-534-20-41-30	WSDOT Franchise Permit Coord	\$154.26	
			401-534-20-41-30	WSDOT Franchise Permit-Utility Mit Plan	\$345.83	
			401-594-34-63-35	Rainier Lane SE Cont Service Survey Const Observation	\$5,977.78	
			408-594-35-63-30	Rainier Lane SE Const Service Survey Const Observation	\$5,977.79	
			410-531-31-41-21	2011 Callstoga Setback Levee Grant	\$1,518.23	
			410-594-31-63-28	Rainier Lane SE Const Service Survey Observation	\$4,649.39	
			01-75448	001-524-20-41-02	The Meadows Div 2-C	\$59.40
				001-524-20-41-02	VG Div 8-Construction Services	\$452.71
				001-524-20-41-02	The Meadows Div 2-Design Review	\$501.42
				001-524-20-41-02	VG Div 8-Design Review	\$756.75
			01-75449	101-595-30-41-02	SR162 TWLT-Project Management-Fixed Fees 101	\$62.51
		101-595-30-41-02		SR162 TWLT-Project Management	\$609.41	
		101-595-30-41-02		SR162 TWLT-Final Design	\$1,900.48	
		01-75450	410-594-31-63-24	Construction Admin Assistance-Expenses	\$6.80	
			410-594-31-63-24	Construction Admin Assistance-Project Mgmt	\$591.95	
			410-594-31-63-24	Construction Admin Assistance-Landscape	\$1,422.00	
			410-594-31-63-24	Construction Admin Assistance-Construction Eng	\$3,717.18	

Vendor	Number	Invoice	Account Number	Notes	Amount
Parametrix	42483	01-75450	410-594-31-63-24	Construction Admin Assistance-Construction Observation	\$12,638.98
		01-75451	001-524-20-41-02	General Development	\$255.00
			001-525-60-41-00	OEEB Hazard Mitigation Planning	\$450.00
			001-558-60-41-01	General Construction	\$1,202.92
			101-542-30-41-01	General Consulting-Streets	\$170.00
			401-534-10-41-01	General Consulting-Water	\$330.00
			401-534-10-41-16	Water System Plan Update-WSP Production	\$212.50
			401-534-10-41-16	Water System Plan Update-WSP Project Mgt	\$430.00
			401-534-10-41-16	Water System Plan Update-WSP System Analysis	\$765.00
			408-535-10-41-01	General Consulting-Sewer	\$1,050.00
			408-594-35-41-01	Biosolids Pre-Design-Eng Report	\$11.50
			408-594-35-41-01	Biosolids Pre-Design-Project Mgt	\$944.20
			408-594-35-41-01	Biosolids Pre-Design-Design Alternatives	\$9,595.00
			408-594-35-41-13	Eldredge Ave NW SS rehab 1/1 Design-Project Mgt	\$55.50
			408-594-35-41-13	Eldredge Ave NW SS rehab 1/1 Design-Contract Docs	\$380.00
			408-594-35-41-13	Eldredge Ave NW SS rehab 1/1 Design-Data Coil & Study	\$731.50
			410-531-39-41-01	General Consulting-Storm	\$170.00
				Total	\$58,300.87
Pierce Conservation District	42484	July2015-403	001-558-60-41-02	Study to Determine Agriculture Infrastructure	\$4,000.00
				Total	\$4,000.00
Pierce County Library System	42485	2015-34	408-535-60-48-05	MPC/Library Janitorial	\$810.00
				Total	\$810.00
Pitney Bowes Global	42486	2471903-JY15	001-514-23-45-00	Postage Machine Lease	\$440.82
				Total	\$440.82

Vendor	Number	Invoice	Account Number	Notes	Amount
Pitney Bowes Purchase Power	42487	8000-9090-0050-3685	001-514-23-31-01	Postage Supplies	\$38.84
				Total	\$38.84
Popular Networks, Llc	42488	15326	001-513-23-41-01	Monthly Computer Maintenance	\$74.20
			001-514-23-41-04	Monthly Computer Maintenance	\$211.10
			001-524-20-41-01	Monthly Computer Maintenance	\$142.65
			001-525-60-41-03	Disaster Recovery	\$546.40
			001-575-50-41-03	Monthly Computer Maintenance	\$142.65
			101-542-30-41-04	Monthly Computer Maintenance	\$74.70
			401-534-10-41-05	Monthly Computer Maintenance	\$278.55
			408-535-10-41-05	Monthly Computer Maintenance	\$278.55
			410-531-38-41-04	Monthly Computer Maintenance	\$210.60
		15332	001-521-50-41-01	Monthly Computer Maintenance	\$1,537.00
			001-525-60-41-03	Disaster Recovery	\$24.20
				Total	\$3,520.60
Public Safety Testing	42454	2015-6222	001-521-20-31-05	2nd QRT Subscription	\$125.00
				Total	\$125.00
Puget Sound Energy	42489	200001247812-July2015	320-595-30-63-01	SR162 Signal	\$26.90
		200001248190-July2015	105-576-80-47-01	North Park	\$11.90
		200001248539-July2015	001-525-50-47-01	Lahar Siren	\$10.89
		200001532189-July2015	105-576-80-47-02	Main Park	\$110.07
			105-576-80-47-03	Bell Tower	\$47.17
		200002708986-July2015	408-535-50-47-05	VG Lift Station	\$181.32
		200003766280-July2015	001-514-21-32-01	City Hall/City Shop @ City Hall	\$14.06
			001-514-21-47-01	City Hall/City Shop @ City Hall	\$120.43
			001-524-20-32-05	City Hall/City Shop @ City Hall	\$14.06
			401-534-50-47-01	City Hall/City Shop @ City Hall	\$120.43
			401-534-50-47-09	City Hall/City Shop @ City Hall	\$14.06
			408-535-50-47-01	City Hall/City Shop @ City Hall	\$120.43
			408-535-50-47-08	City Hall/City Shop @ City Hall	\$14.07
		200009717931-July2015	401-534-50-47-04	Well 2	\$60.25
		200010396329-July2015	001-521-50-47-00	PSB	\$679.81
			001-522-50-47-00	PSB	\$679.82
		200010396543-July2015	408-535-50-47-02	Lift Station 1	\$97.20
		200010396733-July2015	401-534-50-47-11	Well 4	\$1,296.43
		200010629349-July2015	101-542-63-47-01	City Shop	\$11.01
			104-536-50-47-01	City Shop	\$8.81
			401-534-50-47-01	City Shop	\$13.21

Vendor	Invoice #	Invoice Date	Account Number	Notes	Amount
Puget Sound Energy	42489	200010629349-July2015	408-535-50-47-01	City Shop	\$11.01
		200013874264-July2015	408-535-50-47-04	WWTP	\$7,087.01
		200014994137-July2015	410-531-38-47-00	VG Storm Pond	\$39.20
		200019613294-July2015	104-536-50-47-02	Cemetery Shop	\$277.15
	42455	200019646914-July2015	101-542-63-47-03	Street Lights	\$60.27
	42489	200021141250-July2015	408-535-50-47-03	Lift Station-High Cedars	\$80.78
		200021421298-July2015	408-535-50-47-06	Sewer Pump Station	\$26.90
		200022934653-July2015	001-575-50-47-01	MPC/Library	\$663.95
		200024404523-July2015	408-535-50-47-02	Lift Staion 1	\$77.00
	42455	220000846174-July2015	101-542-63-47-03	Street Lights	\$22.77
	42489	300000002406-July2015	101-542-63-47-03	Street Lights	\$9,890.86
				Total	\$21,889.23
	Ricoh USA INC	42456	95052758	001-594-14-75-00	City Hall Copier Lease
Total					\$251.00
Robbless's Total Security Inc.	42490	17169	001-521-50-48-03	PSB Gate Repair-Police	\$229.02
				Total	\$229.02
Schwab-Ellison Co, Inc	42457	82200162803	105-576-80-48-01	Flat Repair	\$50.14
		42491	82200167636	105-576-80-48-01	Tire Repair-Mower FA1017
				Total	\$64.91
Secure Pacific Corp/Mountain Alarm	42492	55656	001-514-23-31-02	City Hall Alarm	\$83.85
				Total	\$83.85
Sneesby, Gayle	42493	July2015-402	001-512-50-41-00	Court help for July 2015	\$104.00
				Total	\$104.00
South Correctional Entity	42458	1331	001-523-60-41-00	Jail Fees-May 2015	\$5,510.00
				Total	\$5,510.00
Spectral Laboratories	42459	100639	408-535-10-41-03	Lab Testing	\$425.00
		100806	408-535-10-41-03	Lab Testing	\$118.00
				Total	\$543.00
Staples Advantage- Dept LA	42494	3271405836	001-511-60-31-01	Paper/Heavy Duty Stapler/Binder Clips	\$35.05
			001-514-23-31-02	Paper/Heavy Duty Stapler/Binder Clips	\$35.05
			001-524-20-31-00	Pens	\$5.85
			001-558-60-31-00	Paper/Heavy Duty Stapler/Binder Clips	\$35.05
			104-536-20-31-00	Index Cards	\$4.60
			401-534-10-31-00	Paper/Heavy Duty Stapler/Binder Clips	\$35.05
			408-535-10-31-00	Paper/Heavy Duty Stapler/Binder Clips	\$35.05

Vendor	Number	Invoice	Account Number	Note	Amount	
Staples Advantage- Dept LA	42494	3271405836	410-531-38-31-00	Paper/Heavy Duty Stapler/Binder Clips	\$35.05	
		3271405838	001-514-23-31-02	Book Ends	\$15.24	
				Total	\$235.99	
Tacoma Rubber Stamp	42495	I-550431-1	001-511-60-31-01	Gunther-Name Tag	\$17.94	
		I-550642-1	001-513-10-31-00	City Clerk Stamp	\$58.10	
				Total	\$76.04	
The News Tribune	42460	257635-July2015	001-511-60-49-03	Ord 2015-966- Publications	\$98.34	
			001-558-60-31-03	Appeal-Publications	\$70.37	
			001-558-60-31-03	Publications	\$733.95	
				Total	\$902.66	
The Walls Law Firm	42461	545	001-515-30-41-03	Prosecuting Attorney-June 2015	\$1,800.00	
				Total	\$1,800.00	
UniFirst Corporation	42462	3301099329/3301101296/3301408-535-10-31-03 103281/3301105258		Supplies	\$148.27	
				Total	\$148.27	
US BankNA Custody Treasury Div-Mony Cntr	42496	386000122-July2015	001-514-23-49-06	Monthly Fees for Safekeeping	\$112.00	
				Total	\$112.00	
Utilities Underground Location Center	42463	5060179	401-534-60-41-00	Locates	\$60.06	
				Total	\$60.06	
Valin Process Control & Automation	42464	3062727	401-534-50-48-02	Supplies	\$677.01	
				Total	\$677.01	
Versalift Northwest LLC	42497	NF1087	101-542-30-48-04	Arm Lift Inspection	\$250.00	
				Total	\$250.00	
Vision Forms LLC	42465	3047	001-514-23-31-02	Receipt for Cashier	\$68.56	
			001-521-20-31-06	Receipt for Cashier	\$68.56	
			001-571-20-31-01	Receipt for Cashier	\$68.56	
			401-534-10-31-00	Receipt for Cashier	\$68.56	
			408-535-10-31-00	Receipt for Cashier	\$68.56	
			410-531-38-31-00	Receipt for Cashier	\$68.55	
			3076	401-534-10-31-00	Utility Bill Processing & Mailing	\$32.57
				401-534-10-42-00	Utility Bill Processing & Mailing	\$80.92
				408-535-10-31-00	Utility Bill Processing & Mailing	\$32.57
			408-535-10-42-00	Utility Bill Processing & Mailing	\$80.92	
			410-531-38-31-00	Utility Bill Processing & Mailing	\$32.57	

Vendor	Invoice #	Invoice Date	Account Number	Notes	Amount
Vision Forms LLC	42465	3076	410-531-38-42-00	Utility Bill Processing & Mailing	\$80.93
			401-534-10-31-00	Utility Bill Processing & Mailing	\$180.90
	42498	3092	401-534-10-42-00	Utility Bill Processing & Mailing	\$441.22
			408-535-10-31-00	Utility Bill Processing & Mailing	\$180.89
			408-535-10-42-00	Utility Bill Processing & Mailing	\$441.22
			410-531-38-31-00	Utility Bill Processing & Mailing	\$180.90
			410-531-38-42-00	Utility Bill Processing & Mailing	\$441.21
				Total	\$2,618.17
Washington Wildlife & Rec Coalition	42466	4-16-15	105-576-80-49-01	Membership Dues	\$125.00
				Total	\$125.00
Water Management Lab Inc.	42467	140974/141362/141502	401-534-10-41-03	Lab Testing	\$735.00
				Total	\$735.00
Wex Bank	42468	41636551	001-521-20-32-00	Fuel-PD	\$2,426.46
				Total	\$2,426.46
Whitworth Pest Solutions, INC	42499	273609	410-531-38-48-03	Storm Pond Monitor & Treatments	\$756.16
				Total	\$756.16
				Grand Total	\$345,076.18



City of Orting
City Council Staff Report

Date: July 23, 2015

Prepared By: Mark Bethune

Agenda Item: Hazard Mitigation Plan 2015

Issue Synopsis:	The City of Orting participates in the County wide hazard mitigation planning. The plan is ultimately approved by the state and county. Having this plan provides FEMA grant funding for the city in emergency declaration events. Having an approved plan also provides the City with FEMA pre-mitigation grant opportunities.
Background:	The City participated with the County for its first approved plan from 2005 to 2007. The county received a grant to update plans which began in 2012 and is now coming to completion. The City received \$30,000 in FEMA grants following the 2009 flooding and storm damage events.
Policy Options:	Approve, amend, deny
Analysis:	The Hazard Mitigation Plan identifies potential hazards for the City of Orting. It identifies the life and property risks, as well as City assets that could be affected. The plan includes the City's ability to respond. Finally the plan shows the cities priority list of projects to mitigate hazards that would be eligible for FEMA grants.
Fiscal Impact:	Fund(s): NA Expenditure Required: NA Amount Budgeted: NA Additional Appropriation Required: NA
Policy Questions:	See above
Staff Recommendation:	Approve
Public Safety Recommendation:	Approve
Attachments:	Resolution adopting the plan.

**CITY OF ORTING
WASHINGTON
RESOLUTION NO. 2015-7**

**A RESOLUTION OF THE CITY OF ORTING,
WASHINGTON, ADOPTING THE REGION 5 ALL
HAZARD MITIGATION PLAN 2015-2020 EDITION;
ADOPTING THE CITY OF ORTING ADDENDUM TO THE
REGION 5 HAZARD MITIGATION PLAN; AND
UPDATING THE PIERCE COUNTY NATURAL HAZARD
MITIGATION PLAN**

WHEREAS, the City of Orting is vulnerable to the human and economic costs of natural, technological and societal disasters; and

WHEREAS, the Federal Disaster Mitigation Act of 2000 requires that for all disasters declared on or after November 1, 2004, applicants for sub-grants following any disaster must have an approved Natural Hazard Mitigation Plan in accordance with 44 CFR 201.6 prior to receipt of Hazard Mitigation Grant Program project funding; and

WHEREAS, the Federal Disaster Mitigation Act of 2000 requires that for Pre-Disaster Mitigation Grant Program project funding on or after November 1, 2003, applicants must have an approved Natural Hazard Mitigation Plan in accordance with 44 CFR 201.6 prior to receipt of project funding; and

WHEREAS, the Region 5 All Hazard Mitigation Plan 2015-2020 Edition represents the commitment of the City of Orting along with other surrounding government entities to reduce the risks from natural, manmade and technological hazards, serving as a guide for decision makers as they commit resources to reducing the effects of hazards, and it is in the public interest to proceed with the planning process in a timely manner; and

WHEREAS, the City of Orting has participated with the Pierce County Department of Emergency Management in the development of the City of Orting's All Hazard Mitigation Plan Addendum, and recognizes the economic loss, personal injury, and damage that can arise from these hazards and updates the Pierce County Natural Hazard Mitigation Plan; and

WHEREAS, reduction of these impacts can be achieved through a comprehensive coordinated planning process which includes an updated risk assessment that provides the factual basis for activities proposed in the mitigation strategies to reduce losses and vulnerabilities, a five-year cycle for plan maintenance, and documentation of formal adoption by the City of Orting; and

WHEREAS, the Region 5 All Hazard Mitigation Plan 2015-2020 Edition has been completed and approved by the State and the Federal Emergency Management Agency; and

WHEREAS, the City of Orting could risk not receiving future disaster funding if the All Hazard Mitigation Plan 2015-2020 City of Orting Addendum is not adopted; and

WHEREAS, the Orting City Council reviewed the All Hazard Mitigation Plan, 2015-2020 Edition;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The Region 5 All Hazard Mitigation Plan, 2015-2020 Edition, is hereby adopted as set forth in Exhibit A, which is attached.

Section 2. The City of Orting Addendum to the Region 5 Hazard Mitigation Plan, an update to the City of Orting Natural Hazard Mitigation Plan, is hereby adopted and shall be in full force and effect upon passage and signatures hereon.

PASSED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE 29TH DAY OF JULY, 2015.

CITY OF ORTING

Joachim Pestinger, Mayor

ATTEST/AUTHENTICATED:

Rachel Pitzel, City Clerk

Approved as to form:

John P. Long, Jr., City Attorney

Filed with the City Clerk: 07/29/15
Passed by the City Council: 07/29/15
Resolution No.: 2015-7



**CITY OF ORTING
ADDENDUM A-12
REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION**

Prepared for:

City of Orting
110 Train Street SE
Orting, WA 98360

In Cooperation with:

Pierce County Department of Emergency Management
2501 S. 35th Street, Suite D
Tacoma, WA 98409

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ADDENDUM A-12

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING**

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Section 1

Plan Process Requirements

Planning Process---Requirement §201.6(b):

An open public involvement process is essential to the development of an effective plan.

Documentation of the Planning Process---Requirement §201.6(b):

In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process **shall** include:

(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;

(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and

(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Documentation of the Planning Process---Requirement §201.6(c)(1):

[The plan **shall** document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.

- Does the plan provide a narrative description of the process followed to prepare the new or updated plan?
- Does the new or updated plan indicate who was involved in the current planning process? (Who led the development at the staff level and were there any external contributors such as contractors? Who participated on the plan committee, provided information, reviewed drafts, etc.?)
- Does the new or updated plan indicate how the public was involved? (Was the public provided an opportunity to comment on the plan during the drafting stage and prior to the plan approval?)
- Does the new or updated plan discuss the opportunity for neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties to be involved in the planning process?
- Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information?
- Does the updated plan document how the planning team reviewed and analyzed each section of the plan and whether each section was revised as part of the update process?

SECTION 1

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING
PROCESS SECTION**

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Changes To Jurisdiction Plan in this Document

This Process Section for the City of Orting Hazard Mitigation Plan includes the following changes that are documented as a result of a complete review and update of the existing plan. The purpose of the following change matrix is to advise the reader of these changes updating this plan from the original document approved in November 2008.

The purpose for the changes is three-fold: 1) the Federal Law (Code of Federal Regulations (CFR), Title 44, Part 201.4) pertaining to Mitigation Planning has changed since the original Plan was undertaken; 2) the Local Mitigation Planning Requirements of the Disaster Mitigation Act of 2000 201.6 (d) (3) Plan Review states Plans **must** be reviewed, revised if appropriate, and resubmitted for approval within five years in order to continue to be eligible for HMGP project grant funding. This document when completed and approved will become the City of Orting Hazard Mitigation Plan.

Change Matrix

This Matrix of Changes documents the pertinent changes made from the November 2008 City of Orting Addendum Plan for the Region 5 All Hazard Mitigation Plan; 2015-2020 Edition. Most of the changes are a matter of additional detail, more information provided, some reformatting to the current Pierce County DEM format and in some cases a response to new requirements. This 2015 version represents a complete review and update by Pierce County Department of Emergency Management using a detailed process for development and following an established format. During this procedure, all web links have been verified and updated.

Change Matrix – City of Orting Region 5 Hazard Mitigation Plan 2015 Update

Section 1 – Plan Development, Process Section	
Section or Part of Plan	New in 2015 Plan
Section 1 – Process Section	Section 1 – Process Section
	The 2015 Process Section contains this Change Matrix Table.
	The 2015 Process Section contains a revised Risk Section to include nine (9) Technological Hazards.
	The 2015 Process Section contains a description of the new process to define goals and objectives for this jurisdiction in the Mitigation Strategy.

Section 1 – Plan Development, Process Section (Continued)	
	The 2015 Process Section contains a Mitigation Measure Matrix that reviews all the prior Mitigation Measures and shows those complete, those still viable and those no longer retained for further action.

Section 2 – Participating Jurisdiction Profiles		
Section or Part of Plan	Previous	2015 Plan
Section 2 – Profile	Information was current as of 2000 Census Data.	The 2015 version of the Profile has been updated using 2010 Census Data and most current GIS information from Pierce County.

Section 3 – Capability Identification		
Section or Part of Plan	Previous	2015 Plan
Section 3 – Capability	The Capability Tables shown in the previous plan are in a similar format.	The 2015 Capability Section has been improved and updated to show current information from the jurisdiction.

Section 4 – Vulnerability, Risk Analysis	
Section or Part of Plan	2015 Plan
The previous version of the plan contained a chart for previous history of disaster declarations broken down into Geological and Meteorological Hazards.	The 2015 Risk Section includes this same chart but it has been updated to show all additional declarations and expanded to include Technological Hazards as well.
The previous version of the plan contained four hazard maps.	The 2015 Risk Section includes updated maps and may contain additional hazard maps according to the specific jurisdiction's hazards.
The previous version included specific analysis showing vulnerability of population, land and infrastructure according to Census 2000.	The 2015 Risk Section includes completely updated tables showing vulnerability of population, land and infrastructure using Census 2010 data.

Section 5 – Mitigation Strategy	
Section or Part of Plan	2015 Plan
The previous document used the standard goals as outlined for the entire project.	The 2015 Mitigation Section was drafted using specific goals and objectives written by the jurisdictions to their specific hazards and concerns.
The previous document contained a Mitigation Measure Matrix chart followed by written descriptions of each individual measure.	The new document uses the same format as the original plan but with emphasis on new goals and objectives. New measures have been added to both the Matrix and the individual measure descriptions. Measures completed in the past five years have been deleted with explanation of same in the Process Section.

Section 6 – Infrastructure	
Section or Part of Plan	2015 Plan
The previous plan used a full table with detail on each piece of infrastructure as well as summary information on hazards and dependencies.	The 2015 plan uses the same table but with additional technological hazards now included. This table has been completely updated as have the accompanying tables.

Section 7 – Plan Maintenance	
Section or Part of Plan	2015 Plan
The previous Plan Maintenance for the jurisdiction was very similar in format to the newer version for 2015.	The 2015 version of the Plan Maintenance borrows from the format and content of the original; however the entire document has been reviewed and updated to current information.

Section 8 – Other Changes	
Section or Part of Plan	2015 Plan
The previous document contained three Appendices.	The 2015 Plan contains three Appendices including place for the final resolution and approval letter from FEMA and also the team members for the jurisdiction and a chart for any changes. The Acronym list appears in the Base Plan for the entire project.

Plan Process

The Region 5 Hazard Mitigation Plan Process Section is a discussion of the planning process used to update the Region 5 Hazard Mitigation Plan (Pierce County is Region 5 for Homeland Security (HLS) in Washington State, including how the process was prepared, who aided in the process, and the public involvement.

The Plan update is developed around all major components identified in 44 CFR 201.6, including:

- **Public Involvement Process;**
- **Jurisdiction Profile;**
- **Capability Identification;**
- **Risk Assessment;**
- **Mitigation Strategy;**
- **Infrastructure Section;** and,
- **Plan Maintenance Procedure.**

Below is a summary of those elements and the processes involved in their development.

Public Involvement Process

Public participation is a key component to strategic planning processes. Citizen participation offers citizens the chance to voice their ideas, interests, and opinions.

“Involving stakeholders who are not part of the core team in all stages of the process will introduce the planning team to different points of view about the needs of the community. It will also provide opportunities to educate the public about hazard mitigation, the planning process, and findings, and could be used to generate support for the mitigation plan.”ⁱ

In order to accomplish this goal and to ensure that the updated Region 5 Hazard Mitigation Plan be comprehensive, the seven planning groups in conjunction with Pierce County Department of Emergency Management developed a public participation process of three components:

1. A Planning Team comprised of knowledgeable individual representatives of HLS Region 5 area and its hazards;
2. Hazard Meetings to target the specialized knowledge of individuals working with populations or areas at risk from all hazards; and
3. Public meetings to identify common concerns and ideas regarding hazard mitigation and to discuss specific goals, objectives and measures of the mitigation plan.

This section discusses each of these components in further detail below with public participation outlined in each. Integrating public participation into the development of the Region 5 Hazard

Mitigation Plan update has helped to ensure an accurate depiction of the Region’s risks, vulnerabilities, and mitigation priorities.

Planning Team

The Planning Team was organized early in 2012. The individual Region 5 Hazards Mitigation Planning Team members have an understanding of the portion of Pierce County containing their specific jurisdiction, including how residents, businesses, infrastructure, and the environment may be affected by all hazard events. The members are experienced in past and present mitigation activities, and represent those entities through which many of the mitigation measures would be implemented. The Planning Team guided the update of the Plan, assisted in reviewing and updating goals and measures, identified stakeholders, and shared local expertise to create a more comprehensive plan. The Planning Team was comprised of:

Table 1-1 Planning Team – City and Town Group

NAME	TITLE	JURISDICTION
Brian Hartsell	Executive Assistant	City of Bonney Lake
Don Morrison		City of Bonney Lake
Alan Predmore	Fire Chief/Emergency Manager	City of Buckley
Jim Arsanto	Chief of Police	City of Buckley
Bob Sheehan	Fire Chief	City of DuPont
Ed Knutson	Chief of Police	City of Edgewood
Kevin Stender	Community Development Senior Planner	City of Edgewood
Mark Mears	Assistant Police Chief	City of Fife
John Cheesman	Chief of Police	City of Fircrest
Mike Davis	Chief of Police	City of Gig Harbor
Paul Rice	Building and Fire Safety Director	City of Gig Harbor
Christine Badger	Emergency Management Coordinator	City of Lakewood
Dana Herron	Building Official	City of Milton
Jim Jaques	Assistant Chief	City of Milton/East Pierce Fire and Rescue
Mark Bethune	City Manager	City of Orting
Karen Yates	Mayor	City of Roy
Bill Llewellyn	Council Member	City of Roy
Ryan Windish	Planning Manager	City of Sumner
Ute Weber	Emergency Manager	City of Tacoma
Tricia Tomaszewski	Clerk-Treasurer	Town of Carbonado
Dailene Argo	Town Clerk	Town of Carbonado
Bob Hudspeth	Fire Chief	Town of Eatonville
Doug Beagle	Town Administrator	Town of Eatonville
Kerry Murphy	Public Works	Town of Eatonville
Peggy Levesque	Mayor	Town of South Prairie
Marla Nevil	Town Clerk	Town of South Prairie
Paul Loveless	Town Administrator	Town of Steilacoom
Melanie Kohn	Clerk/Treasurer	Town of Wilkeson

The Planning Team held 10 Planning Team Meetings for the following Planning Groups: City and Town Group, Fire Group, School Group, Special Purpose Group, and Utility Group for a total of 50 meetings from March of 2012 to February of 2013.

Table 1-2 Planning Team Meetings – Cities and Towns Group

<p>Planning Team Meeting #1 - Pierce County Library Administration Bldg-March 21, 2012</p> <p>Planning Team members Katie Gillespie and Debbie Bailey conducted the meeting and the Planning Team discussed the following items: Introduction of Planning Team, Review of the history of the Grant Application, Defining the Planning Requirements, How We Establish the In-Kind Match, Benefits of Developing a Plan, Defining the Planning Process, Establishing the Planning Team Meetings, Elected Official Meetings and Public Comment Meetings, reviewing each jurisdiction’s profile information, and defining next steps.</p>
<p>Planning Team Meeting #2 – Pierce County Emergency Operations Center-May 1, 2012</p> <p>Planning Team members Katie Gillespie and Debbie Bailey conducted the meeting and the Planning Team discussed the following items: Introduction of Planning Team as there were new members present, review of items presented at previous meeting, Defining the Planning Requirements, Defining the Process, Establishing the Planning Team Meetings, Elected Official Meetings and Public Comment Meetings, and explaining the next steps.</p> <p>This meeting focused on continuing review of the Profile Section, an introduction to begin thinking about mitigation strategies to include a review of what measures from their original plan have already been completed and thinking about new measures they may like to add, and a review of existing infrastructure for accuracy or necessary changes. It was explained how the Homeland Security sectors correlate with the information on the Infrastructure Forms and the potential uses of the information as a means of populating a database of resources for future use. There was also information handed out on dependencies and how important it is to know who depends on you and who you depend on. Everyone was reminded to set up their Elected Official meetings. Everyone was given a copy of their original Section 6 – Infrastructure Information.</p>
<p>Planning Team Meeting #4 - Pierce County Emergency Operations Center-July 10, 2012</p> <p>Planning Team members Katie Gillespie and Debbie Bailey conducted the meeting and the Planning Team discussed the following items: Reminder to set up Elected Official meetings. There was a recap of the Infrastructure Forms and the information necessary and some forms were collected at the meeting. Because this group missed one meeting in April, there were two areas of focus for this meeting; the Capability Section and the Risk Section. There was a discussion on how to recognize capabilities that already exist within the jurisdiction. Copies of existing Capability Sections were handed out and a discussion followed regarding making this section more comprehensive for everyone. The discussion continued, focusing on an explanation of the Risk Assessment and beginning to look at the local hazards for each jurisdiction. There was also some discussion about hazard maps and jurisdiction hazard maps were shown for the first time since they were updated. These now include technological hazards.</p>
<p>THERE WERE NO PLANNING TEAM MEETINGS IN JUNE OF 2012</p>
<p>Planning Team Meeting #5 - Pierce County Emergency Operations Center-Aug 7, 2012</p>

<p>Planning Team members Katie Gillespie and Debbie Bailey, along with special guest Casey Broom from State EMD, conducted the meeting and the Planning Team discussed the following items: State EMD Mitigation Coordinator, Casey Broom was present at this meeting to lead the discussion on goals and objectives. The primary discussion for this meeting was a review of how to write goals and how to move forward in developing objectives to address the goals as a part of the Mitigation Strategy for the project.</p>
<p>Planning Team Meeting #6 - Pierce County Emergency Operations Center-Sept 4, 2012</p>
<p>Planning Team members Katie Gillespie and Debbie Bailey, along with Casey Broom, conducted the meeting and the Planning Team discussed the following items: Casey led the discussion continuing with Goals and Objectives for each jurisdiction. There was also a lot of discussion regarding good mitigation measures and how they need to address the objectives identified.</p>
<p>Planning Team Meeting #7 - Pierce County Emergency Operations Center-Oct 2, 2012</p>
<p>Planning Team members Katie Gillespie and Debbie Bailey, along with Casey Broom, conducted the meeting and the Planning Team discussed the following items: The jurisdiction hazard maps (base map as well as hazard maps) and other administrative items were discussed. The majority of the meeting was dedicated to a discussion revolving around developing new mitigation measures and having ‘shovel-ready’ projects included in all plans. A general discussion was productive in finding new measures that others might also be able to include.</p>
<p>Planning Team Meeting #8 - Pierce County Emergency Operations Center-Nov 6, 2012</p>
<p>Planning Team members Katie Gillespie and Debbie Bailey conducted the meeting and the Planning Team discussed the following items: There was a call for questions on all sections completed thus far and any final cleanup of sections as necessary. The majority of the meeting was dedicated to continuing discussions about mitigation measures and answering all the questions regarding new measures and how they will be added to the plans. The jurisdictions were briefed and given guidance on how to prioritize their mitigation measures.</p>
<p>THERE WERE NO PLANNING TEAM MEETINGS IN DECEMBER OF 2012</p>
<p>The month of December was dedicated allowing the Plan Coordinators time to catch up on documentation for the 78 jurisdictions.</p>
<p>REGIONAL PLANNING MEETINGS WERE HELD IN JANUARY OF 2013 (See Table 1-15)</p>
<p>The month of January was dedicated to eight Regional Meetings where the groups were divided into geographical districts rather than their normal groups in order to develop potential regional measures together.</p>
<p>Planning Team Meeting #9 - Pierce County Emergency Operations Center-Feb 5, 2013</p>
<p>Planning Team members Katie Gillespie and Debbie Bailey conducted the meeting and the Planning Team discussed the following items: The primary discussion, besides a general review once more, was about the Plan Maintenance section and how that will be updated by the jurisdictions. Each jurisdiction was given copies of their existing section and we discussed possible changes and improvements. Those jurisdictions that still had outstanding sections of documentation brought those forward at this time.</p>
<p>Planning Team Meeting #10 - Pierce County Emergency Operation Center-March 5, 2013</p>

Planning team members Katie Gillespie and Debbie Bailey conducted the meeting and the Planning Team was able to discuss any final questions or concerns regarding the final sections of the plans and any updates or changes that will still need to be made before the plans are complete.

Joint Planning Requirement

The City of Orting has the following identified plan which must collaborate with the mitigation plan; these plans are identified in the table below and must be updated within the predetermined timeline.

Plan	Next Update
Orting Comprehensive Plan	June 30, 2015
Critical Areas Ordinance	June 30, 2015
Shoreline Master Program	June 30, 2019

¹ State and Local Mitigation Planning How-to Guide, Getting Started: building support for mitigation planning, FEMA 386-1, September 2002, p. 3-1.

SECTION 2

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING
PROFILE SECTION**

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Vision Statement

The Vision of the City of Orting is as follows:

Orting is a diverse, thriving and safe community in the foothills of Mount Rainier; a welcoming place to live, work and play.

Services Summary

The City of Orting was incorporated in the year 1889.

The City provides the following services through their own capabilities:

Table 2-1 City Services¹

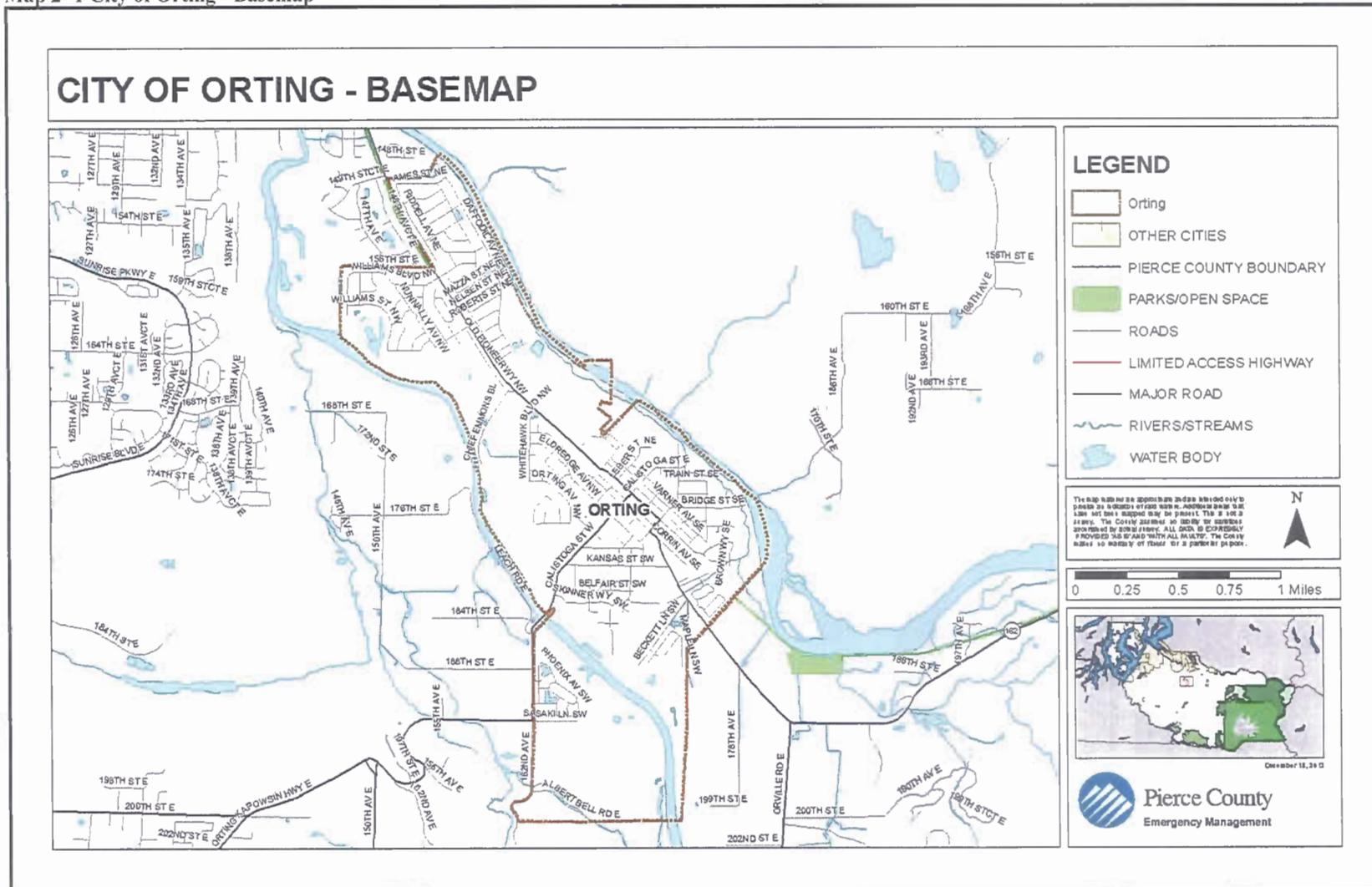
CITY SERVICES			
Service	Yes	Service	Yes
Mayor/City Manager	Yes	Municipal Airport	No
City Attorney	Yes	Municipal Court	Yes
City Clerk	Yes	Public Works/Improvements	Yes
City Treasurer	Yes	Comprehensive Planning	Yes
Sheriff or Police	Yes	Parking Meter Revenue	No
Parks Commissioners	Yes	Construction and Operation of Boat Harbors, Marinas, Docks, etc.	No
City Council	Yes	Issue Bonds and Levies of General Tax	Yes
License and Tax Fees	Yes	Fire Department/EMS	No
Non-Polluting Power Generation	No	Parking, Off-street Facilities	Yes
Hydroelectric Resources	No	Sanitary Landfill/Refuse Service	No
Radio Communications	No	Sidewalks	Yes
Streets	Yes	Storm Drains	Yes
Waste Water Treatment	Yes	Streets/Alleys	Yes
Water Utility	Yes	Parks and Parkways	Yes
Public Transportation Systems	No	Water Pollution Abatement	Yes
Residential Care Facilities	No	Local Improvement Districts	No
Child Care Facilities	No	Buildings Inspection/Plan Review	Yes
Food Bank	No		

Geo-Political Summary

Table 2-2 Geo-Political Summary2

Jurisdiction	Area (sq mi)	Elevation Range (ft.)	Major Water Features	Regional Partners	
				Shared Borders	Land Use Authorities
City of Orting	2.7444	140-360	<ul style="list-style-type: none"> • Puyallup Watershed • 16-Lower Carbon River Basin • 23-Mid Puyallup River Basin 	<ul style="list-style-type: none"> • Unincorporated Pierce County • Old Soldiers Home 	<ul style="list-style-type: none"> • Orting • Unincorporated Pierce County • WA VA

Map 2-1 City of Orting - Basemap



Population Summary

Demographics

Table 2-3 Population^{3,4,5,6}

Jurisdiction	Population	Population Density (people/sq mi)	Population Served	Projected Year 2022 Population Change (%)	Projected Population Density	Projected 2022 Population Served
City of Orting	6,232	2,271	6,232	26.77%	2,879	7,900
Region 5	795,225	440	795,225	-18.39%	359	648,895

Special Populations

Table 2-4 Special Populations⁷

Jurisdiction	Population	Population 65 Plus	% of Total	Population Under 20	% of Total
City of Orting	6,739	689	10%	2,241	33%
Region 5	795,225	87,770	11%	220,351	28%

Demographic Analysis

In comparison to the last update, the overall population has nearly doubled while the population density has decreased. The 65+ population has nearly doubled while the population ages 20 and under slightly increased. Due to the significant increase in the 65+ population, the City of Orting has an identified aging population which increases their population vulnerability while the decrease in population density reduces their population vulnerability.

Infrastructure Summary

General

Table 2-5 Parcel Summary⁸

Jurisdiction	# Parcels	Land Value	Average Land Value	Improved Value	Average Improved Value
City of Orting	2,703	\$127,965,900	\$47,342	\$299,160,600	\$110,677
Region 5	319,165	\$29,742,651,792	\$93,189	\$49,650,950,160	\$155,577

Jurisdiction	Total Assessed Value	Average Assessed Value
City of Orting	\$427,126,500	\$158,019
Region 5	\$79,393,601,952	\$248,766

Table 2-6 Housing Summary⁹

Jurisdiction	# Houses	Housing Density	Avg Year Built	Avg Year Built (%)
City of Orting	2,361	860	<ul style="list-style-type: none"> • <1939: 229 • 1940 – 1979: 242 • 1980 – 2004: 1,269 • 2005> 511 	<ul style="list-style-type: none"> • <1939: 10.1% • 1940 – 1979: 10.7% • 1980 – 2004: 56.3% • 2005> 22.7%
Region 5	291,983	162	<ul style="list-style-type: none"> • <1939: 34,368 • 1940 – 1979: 126,363 • 1980 – 2004: 139,894 • 2005>22,830 	<ul style="list-style-type: none"> • <1939: 10.6% • 1940 – 1979: 39% • 1980 – 2004: 43.2% • 2005> 7.1%

Jurisdiction Infrastructure

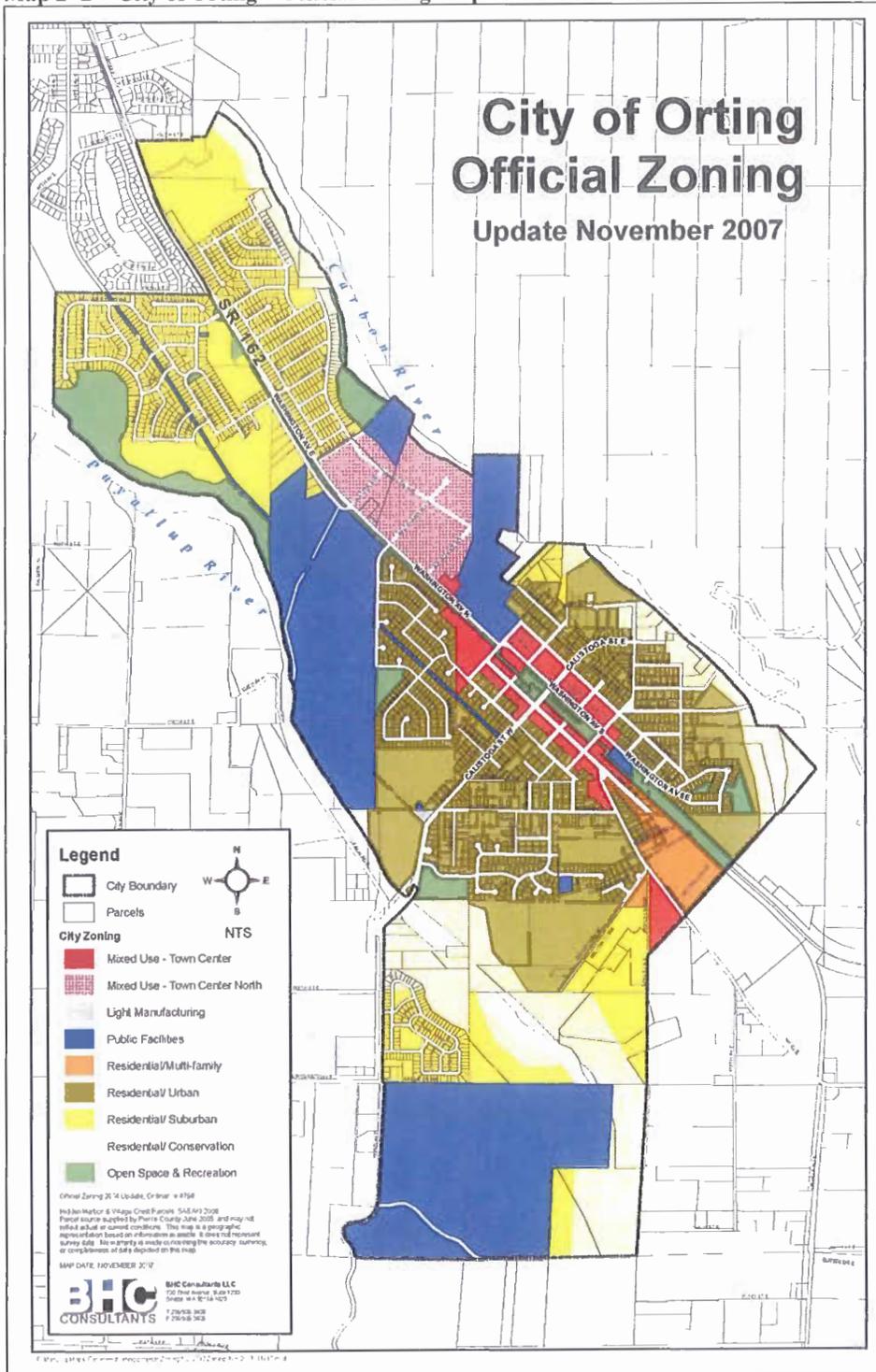
The following table shows the overview of infrastructure owned by the City of Orting. The infrastructure is categorized according to the infrastructure sectors as designated by the Department of Homeland Security. This table is intended as a summary only.

For further details on what is included in the Department of Homeland Security infrastructure sectors, please see the Process Section 1.

Table 2-7 Owned Infrastructure¹⁰

Total Infrastructure	Emerg. Services	Tele-comm	Trans- poration	Water	Energy	Govern- ment	Commer- cial	Total Value (\$)
23	2	0	0	18	0	3	0	\$26,552,074

Map 2-2 – City of Orting – Official Zoning Map



Economic Summary

Table 2-8 Fiscal Summary¹¹

Jurisdiction	Operating Costs (per month)	Operating Budgeted Revenues ¹²	Operating Budgeted Expenditures ¹³	Fund Balance as % of Operating Cost	Avg Fund Balance (5 yrs)
City of Orting	\$250,000	\$245,000	\$250,000	480%	500%

Table 2-9 Employment Profile¹⁴

Employment Category (SIC)	City of Orting	Pierce County
Agriculture, Forestry, Fishing, Mining and Hunting	25	2,532
Construction	385	29,441
FIRES (Finance, Insurance, Real Estate, and Services)	145	21,862
Wholesale Trade	192	13,064
Transportation and Warehousing and Utilities	161	21,796
Manufacturing	390	35,050
Retail	334	43,247
Education, Health and Social Services	499	76,821
Professional, Scientific, Management, Administrative, Waste Management	158	31,890
Public Administration	134	22,860

Table 2-10 Unemployment Rate¹⁵

Jurisdiction	Unemployment Rate
City of Orting	7.2%
Region 5	9.6%
WA State	8.4%

Resource Directory

Regional

- **City of Orting**
<http://www.cityoforting.org>
- **Pierce County Government**
<http://www.piercecountywa.org/PC/>
- **Pierce County DEM**
<http://www.piercecountywa.org/pc/abtus/ourorg/dem/abtusdem.htm>
- **Pierce County PALS**
<http://www.co.pierce.wa.us/pc/abtus/ourorg/pals/palshome.htm>
- **Municipal Research & Services Center of Washington (MRSC)**
<http://www.mrsc.org/>

National

- **US Census**
www.census.gov/

Endnotes

¹ Information from survey completed by City.

² Information from Pierce County GIS application, CountyView Pro (2013/14).

³ "Population" from Census 2010, Office of Financial Management. It should be noted that current (as of July 2007) population of City of Orting is reported by the Office of Financial Management as 5,940.

⁴ "Projected Population Change (%)" from Pierce County Buildable Lands Report, Dec. 2007.

⁵ "Projected Population Density" is based on an assumption of the jurisdiction maintaining the same geographic area and boundaries. It does not consider changes in annexation, district mergers, etc.

⁶ "Projected 2022 Population" from Pierce County Buildable Lands Report, Dec. 2007.

⁷ "Special Population" from Census 2010, Office of Financial Management.

⁸ Information from Pierce County GIS application, CountyView Pro 2013/14.

⁹ Information from Census 2010, Office of Financial Management.

¹⁰ Information obtained from Jurisdiction from Infrastructure Matrix.

¹¹ Information obtained from Jurisdiction from current Budget.

¹² Non-Capital

¹³ Non-Capital

¹⁴ Information from Census 2010, Office of Financial Management.

¹⁵ Information from Census 2010, Office of Financial Management.

Section 3

Capability Identification Requirements

Planning Process---Requirement §201.6(b):

An open public involvement process is essential to the development of an effective plan.

Documentation of the Planning Process---Requirements §201.6(b):

In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process **shall** include:

(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

- Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information?

Assessing Vulnerability: Analyzing Development Trends---Requirement §201.6(c)(2) (ii)(C):

[The plan **should** describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.]

- Does the plan describe land uses and development trends?

Identification and Analysis of Mitigation Actions: National Flood Insurance Program (NFIP) Compliance--Requirement §201.6(c)(3)(ii):

[The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

- Does the new or updated plan describe the jurisdiction(s) participation in the NFIP?

SECTION 3

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING
CAPABILITY IDENTIFICATION SECTION**

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Legal and Regulatory

Table 3-1 Legal and Regulatory

Regulatory Tools (Ordinances and Codes)	Yes or No
<u>Jurisdiction Capabilities</u>	
Building Construction/Design Construction Codes	Yes
Flood Damage Prevention Ordinance	Yes
Growth Management Ordinance	Yes
Critical Area Ordinance	Yes
Hazard Setback Requirements	Yes
Hillside and Steep Slope Ordinance	NA
Land Use and Regulatory Codes	Yes
Mechanical Codes	Yes
Plan Review Requirements	Yes
Plumbing Codes	Yes
Real Estate Disclosure Requirements	
Storm Water Management	Yes
Subdivision Ordinance or Regulations	Yes
Tax and License Codes	Yes
Wildfire Ordinance	No
Zoning Ordinance	Yes

Administrative Capability

Table 3-2 Administrative Capability

Administrative Tools (Agency, Departments or Programs)	Yes or No
<u>Jurisdiction Capabilities</u>	
Architectural Review Board/Historic Review	Yes
Board of Adjustments/Hearing Examiner	Yes
Building Official	Yes
Chamber of Commerce	Yes
City/Town Council	Yes
City/Town Meetings	Yes
City/Town Planning Commission	Yes
City/Town Website	Yes
Commercial Fire Safety/Code Inspection Program	Yes
Community CPR/First Aid Program	No
Community Emergency Response Teams	Yes
Downtown Revitalization Committee	No
Economic Development Board	Yes
Emergency Manager	Yes
Engineers	Yes
Families First Coalition	Yes
Fire and Injury Prevention Program	Yes
Fire Chief	Yes
Fire Safety & Disaster Classes in Schools	Yes
Flood Plan Manager	Yes
Government TV Access	Yes
Grant Writers	Yes
Home Safety Council	No
Information included in Utility Bills	Yes
Lahar Warning System	Yes
Planners	Yes
Planning Commission	Yes
Police Chief	Yes
Police Department	Yes
Public Utility	Yes
Public Works Department	Yes
Safe Streets Program	No
Safety Fairs	Yes
Stream Team	No
Surveyors	Yes

Table 3-3 Administrative Capability (Con'd)

Administrative Tools (Agency, Departments or Programs)	Yes or No
<u>Regional Capabilities</u>	
Local Business Districts	No
Local Department of Emergency Management	Yes
Local Fire Agencies plus Mutual Aid with others	Yes
Local Hospitals	Yes
Local Law Enforcement Agencies and Mutual Aid with others	Yes
Local Neighborhood Associations	Yes
Local Neighborhood Emergency Teams (NET)	Yes
Local Newspapers	Yes
Local Parks Commission/Board	Yes
Local Power Companies	Yes
Local Parent Teacher's Association	Yes
Neighboring Counties	Yes
Pierce County ALERT	Yes
Pierce County Department of Emergency Management	Yes
Pierce County Fire Chiefs Association	Yes
Pierce County Neighborhood Emergency Teams (PCNET)	Yes
Pierce County Police Chiefs Association	Yes
Pierce County Safe Kids Coalition	Yes
Pierce County Sheriffs Department	Yes
Pierce County WARN	Yes
Puget Sound Clean Air Agency	Yes
Puget Sound Energy	Yes
Puget Sound Regional Council	Yes
Puget Sound Water Quality Management Plan	Yes
Service Organizations	Yes
Tacoma/Pierce County Health Department	Yes
Tribes	Yes

Technical Capability

Table 3-4 Technical Capability

Technical Tools (Plans and Other)	Yes or No
Jurisdiction Capabilities	
After Action Reports of Any Incident	Yes
Capital Improvement Plan	Yes
Comprehensive Emergency Management Plan	Yes
Comprehensive Plan	Yes
Continuity of Governmental Services and Operations Plan (COOP and COG)	Yes
Critical Facilities Plan	Yes
Drainage Master Plan	Yes
Economic Development Plan	Yes
Emergency Evacuation Plan	Yes
Emergency Response Plan	Yes
Generator Placement Plan	Yes
Habitat Plan	Yes
Hazardous Materials Response Plan	Yes
Lahar Evacuation Plan	Yes
Pandemic Flu Plan	Yes
Post-Disaster Recovery Plan	No
Sewer/Wastewater Comprehensive Plan	Yes
Storm Comprehensive Plan	Yes
Water Comprehensive Plan	Yes
Regional Capabilities	
Local and Regional Emergency Exercises – All Types	Yes

Fiscal Capability

Table 3-5 Fiscal Capability

Fiscal Tools (Taxes, Bonds, Fees, and Funds)	Yes or No
Jurisdiction Capabilities	
TAXES:	
Authority to Levy Taxes	Yes
BONDS:	
Authority to Issue Bonds	Yes
FEES:	
Fees for Water, Sewer, Gas or Electric Service	Yes
Impact Fees for Homebuyers/Developers for New Developments/Homes	Yes
Local Improvement District (LID)	No
FUNDS:	
Capital Improvement Project Funds	Yes
Enterprise Funds	Yes
General Government Fund (Departments)	Yes
Internal Service Funds	Yes
Special Revenue Funds	Yes
Withhold Spending in Hazard-Prone Areas	No
Regional Capabilities	
Pierce County Land Conservancy	Yes
Cascade Land Conservancy	Yes

Specific Capabilities

Table 3-6 Specific Capabilities

Jurisdiction Specific Capabilities
<u>Legal & Regulatory</u>
Orting has city attorney, court, and prosecuting and defense attorneys. The City has full regulatory authority through the strong Mayor/Council form of government. Orting is a “non-charter code city”.
<u>Administrative & Technical</u>
The city has an administrative department with financial and billing services. The city has a City Administrator and a Clerk Treasure
<u>Fiscal</u>
The City has complete fiscal authority and capability

Section 4

Risk Assessment Requirements

Identifying Hazards--- Requirement §201.6(c)(2)(i):

[The risk assessment shall include a] description of the type ... of all natural hazards that can affect the jurisdiction.

- Does the new or updated plan include a description of the types of all natural hazards that affect the jurisdiction?

Profiling Hazards---Requirement §201.6(c)(2)(i):

[The risk assessment shall include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.

- Does the risk assessment identify (i.e., geographic area affected) of each hazard being addressed in the new or updated plan?
- Does the risk assessment identify the extent (i.e., magnitude or severity) of each hazard addressed in the new or updated plan?
- Does the plan provide information on previous occurrences of each hazard addressed in the new or updated plan?
- Does the plan include the probability of future events (i.e., chance of occurrence) for each hazard addressed in the new or updated plan?

Assessing Vulnerability: Overview---Requirement §201.6(c)(2) (ii):

[The risk assessment shall include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community.

- Does the new or updated plan include an overall summary description of the jurisdiction's vulnerability to each hazard?
- Does the new or updated plan address the impacts of each hazard on the jurisdiction?

Assessing Vulnerability: Addressing Repetitive Loss Properties---Requirement §201.6(c)(2) (ii):

[The risk assessment] must also address the National Flood Insurance Program (NFIP) insured structures that have been repetitively damaged by floods.

- Does the new or updated plan describe vulnerability in terms of the types and numbers of repetitive loss properties located in the identified hazard areas?

Assessing Vulnerability: Identifying Structures---Requirement §201.6(c)(2) (ii)(A):

The plan should describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas...

- Does the new or updated plan describe vulnerability in terms of the types and numbers of existing buildings, infrastructure, and critical facilities located in the identified hazard areas?
- Does the new or updated plan describe vulnerability in terms of the types and numbers of future buildings, infrastructure, and critical facilities located in the identified hazard areas?

Assessing Vulnerability: Estimating Potential Losses---Requirement §201.6(c)(2) (ii)(B):

[The plan should describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate...

- Does the new or updated plan estimate potential dollar losses for vulnerable structures?
- Does the new or updated plan describe the methodology used to prepare the estimate?

Assessing Vulnerability: Analyzing Development Trends---Requirement §201.6(c)(2) (ii)(c):

[The plan should describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.

- Does the new or updated plan describe land uses and development trends?

SECTION 4

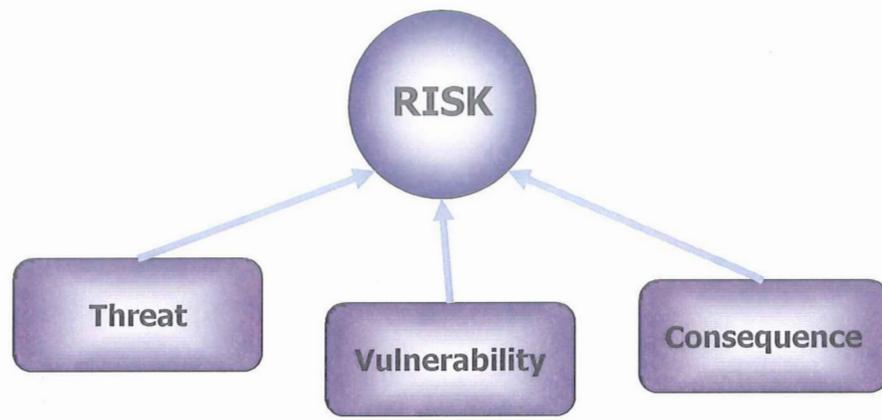
REGION 5 ALL HAZARD MITIGATION PLAN 2015-2020 EDITION CITY OF ORTING RISK ASSESSMENT SECTION

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Section Overview

The Risk Assessment portrays the threats of natural hazards, the vulnerabilities of a jurisdiction to the hazards, and the consequences of hazards impacting communities. Each hazard is addressed as a threat and is identified and profiled in the Hazard Identification. The vulnerabilities to and consequences of a given hazard are addressed in the Vulnerability Analysis. Vulnerability is analyzed in terms of exposure of both population and infrastructure to each hazard. Consequences are identified as anticipated, predicted, or documented impacts caused by a given hazard when considering the vulnerability analysis and the characteristics of the hazard as outlined in its identification.



The WA Region 5 **Hazard Identification** was used for this plan. Each jurisdiction's Vulnerability and Consequence Analysis are based on the Region 5 Hazard Identification. The Region 5 Hazard Identification can be found in the Base Plan. Each hazard is identified in subsections. The subsections are grouped by hazard-type (i.e., geological and meteorological hazards) and then alphabetically within each type. A summary table of the WA Region 5 Hazard Identification is included in this section as Table 4-1a and Table 4-1b.

The **Vulnerability Analysis** is displayed in six tables:

- **Table 4-2 General Exposure**
- **Table 4-3 Population Exposure**
- **Table 4-4 General Infrastructure Exposure**
- **Table 4-5a Consequence Analysis Chart – Geological**
- **Table 4-5b Consequence Analysis Chart – Meteorological**
- **Table 4-5c Consequence Analysis Chart – Technological**

Each jurisdiction has its own Vulnerability Analysis, and it is included in this section.

The **Consequence Identification** is organized by Threat. Each threat page summarizes the hazard, graphically illustrates exposures from the Vulnerability Analysis, and lists corresponding Consequences. Each jurisdiction has its own Consequence Identification and it is included in this section: avalanche, earthquake, landslide, tsunami, volcanic, drought, flood, severe weather, and wildland/urban interface fire.

Specific information and analysis of a jurisdiction's owned (public) infrastructure is addressed in the Infrastructure Section of its Plan.

Table 4-1a WA Region 5 Hazard Identification Summary – Geological

THREAT	DECLARATION # DATE/PLACE	PROBABILITY/ RECURRENCE	MAPS, FIGURES AND TABLES
<u>AVALANCHE</u>	Not Applicable	Yearly in the mountainous areas of the County including Mt. Rainier National Park and the Cascades.	Slab Avalanche Areas Vulnerable to Avalanche Pierce County Avalanches of Record
<u>EARTHQUAKE</u>	N/A--7/22/2001 Nisqually Delta N/A--6/10/2001 Satsop DR-1361-WA--2/2001 Nisqually N/A--7/2/1999 Satsop DR-196-WA--4/29/1965 Maury Island, South Puget Sound N/A--4/13/1949 South Puget Sound N/A--2/14/1946 Maury Island	Magnitude 4.3 Magnitude 5.0—Intraplate Earthquake Magnitude 6.8—Intraplate Earthquake Magnitude 5.8—Intraplate Earthquake Magnitude 6.5—Intraplate Earthquake Magnitude 7.0—Intraplate Earthquake Magnitude 6.3 40 years or less occurrence Historical Record—About every 23 years for intraplate earthquakes	Types of Earthquakes Major Faults in the Puget Sound Basin Seattle and Tacoma Fault Segments Pierce County Seismic Hazard Major Pacific Northwest Earthquakes Notable Earthquakes Felt in Pierce County Salmon Beach, Tacoma Washington following Feb 2001 Earthquake Liquefaction Niigata Japan-1964 Lateral Spreading – March 2001
<u>LANDSLIDE</u>	DR-1159-WA--12/96-2/1997 DR-852-WA--1/1990 DR-545-WA--12/1977	Slides with minor impact (damage to 5 or less developed properties or \$1,000,000 or less damage) 10 years or less. Slides with significant impact (damage to 6 or more developed properties or \$1,000,000 or greater damage) 100 years or less.	Northeast Tacoma Landslide January 2007 Pierce County Landslide and Soil Erosion Hazard Pierce County Shoreline Slope Stability Areas Notable Landslides in Pierce County Ski Park Road – Landslide January 2003 SR-165 Bridge Along Carbon River – Landslide February 1996 Aldercrest Drive - Landslide
<u>TSUNAMI</u>	N/A--1894 Puyallup River Delta N/A--1943 Puyallup River Delta (did not induce tsunami) N/A--1949 Tacoma Narrows	Due to the limited historic record, until further research can provide a better estimate a recurrence rate of 100 years plus or minus will be used.	Hawaii 1957 – Residents Explore Ocean Floor Before Tsunami Hawaii 1949 – Wave Overtakes a Seawall Puget Sound Fault Zone Locations, Vertical Deformation and Peak Ground Acceleration Seattle and Tacoma Faults Tsunami Inundation and Current Based on Earthquake Scenario Puget Sound Landslide Areas and Corresponding Tsunamis Puget Sound River Deltas, Tsunami Evidence and Peak Ground Acceleration Salmon Beach, Pierce County 1949 – Tsunamigenic Subaerial Landslide Puyallup River Delta – Submarine Landslides Puyallup River Delta – Submarine Landslides and Scarp Damage in Tacoma from 1894 Tsunami
<u>VOLCANIC</u>	DR-623-WA--5/1980	The recurrence rate for either a major lahar (Case I or Case II) or a major tephra eruption is 500 to 1000 years. The recurrence rate for either a major lahar (Case I or Case II) or a major tephra eruption is 500 to 1000 years.	Volcano Hazards Debris Flow at Tahoma Creek – July 1988 Douglas Fir Stump – Electron Lahar Deposit in Orting Landslide from Little Tahoma Peak Covering Emmons Glacier Tephra Types and Sizes Lahars, Lava Flows and Pyroclastic Hazards of Mt. Rainier Estimated Lahar Travel Times for Lahars 10 ₇ to 10 ₈ Cubic Meters in Volume Ashfall Probability from Mt. Rainier Annual Probability of 10 Centimeters or more of Tephra Accumulation in the Pacific NW Cascade Eruptions Mt. Rainier Identified Tephra, last 10,000 years Pierce County River Valley Debris Flow History

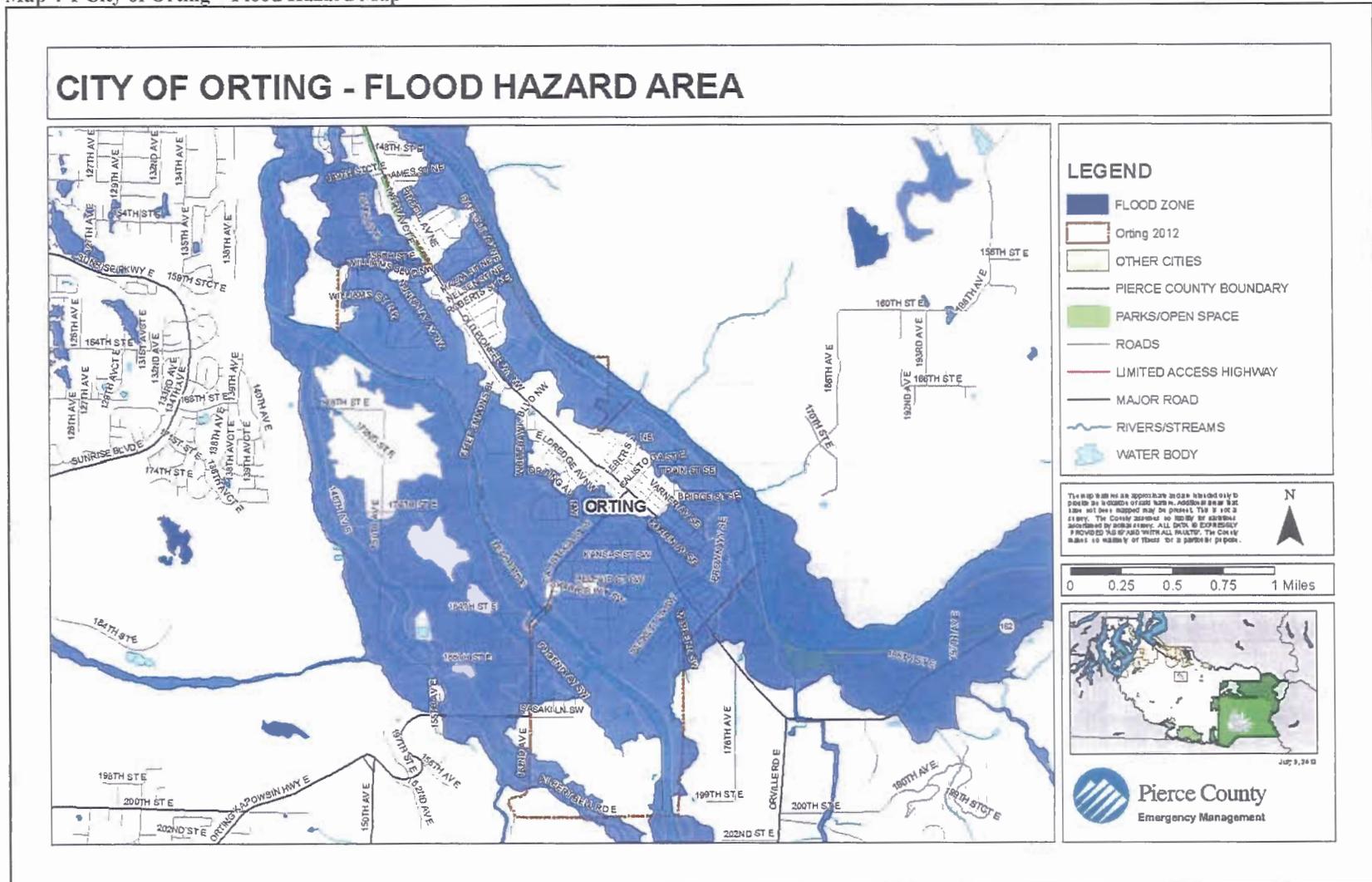
Geological

Table 4-1b WA Region 5 Hazard Identification Summary – Meteorological and Technological

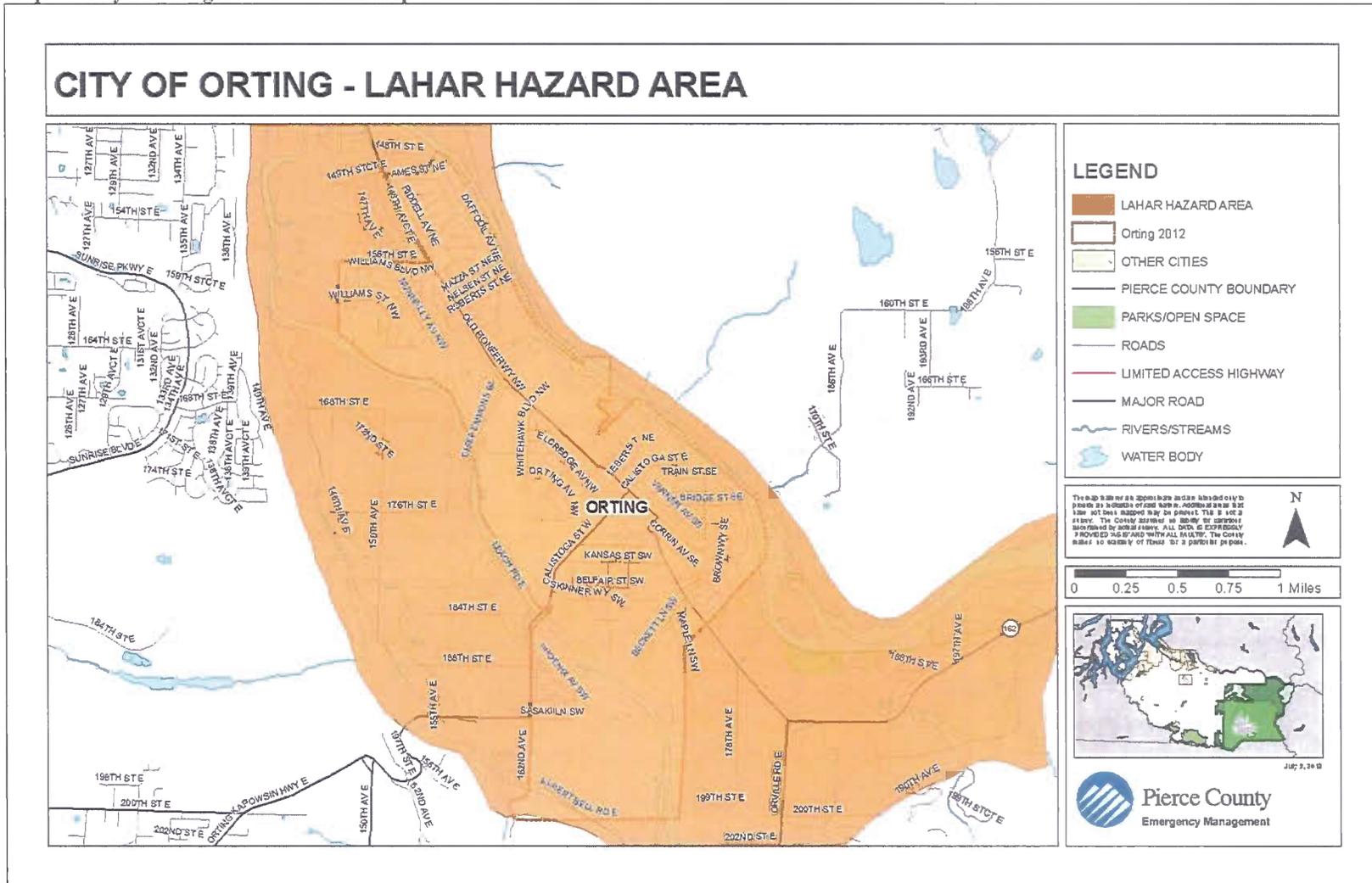
HAZARD		FEMA DECLARATION # DATE/PLACE		PROBABILITY/ RECURRENCE	MAPS, FIGURES AND TABLES
Meteorological	<u>CLIMATE CHANGE</u>	Not Applicable		Not Applicable	Global Temperature Change: 1850 to 2006 Recent and Projected Temperatures for the Pacific Northwest Comparison of the South Cascade Glacier: 1928 to 2003 Lower Nisqually Glacier Retreat: 1912 to 2001
	<u>DROUGHT</u>	Many dry seasons but no declarations		50 years or less occurrence	Sequence of Drought Impacts Palmer Drought Severity Index Pierce County Watersheds %Area of Basin in Drought Conditions Since 1895 %Time in Severe to Extreme Drought: 1895-1995 %Time in Severe to Extreme Drought: 1985-1995 Notable Droughts Affecting Pierce County Columbia River Basin USDA Climate Zones – Washington State
	<u>FLOOD</u> Since 1978 3 Repetitive Loss Areas have produced 83 Claims totaling Nearly \$1.78 Million Dollars.	DR-WA 1817--01/2009 NA-11/2008 DR-1734-WA--12/2007 DR-1671-WA--11/2006 DR-1499-WA--10/2003 DR-1159-WA--12/96-2/97 DR-1100-WA--1-2/1996 DR-1079-WA--11-12/1995 DR-896-WA--12/1990 DR-883-WA--11/1990	DR-852-WA--1/1990 DR-784-WA--11/1986 DR-545-WA--12/1977 DR-492-WA--12/1975 DR-328-WA--2/1972 DR-185-WA--12/1964	5 years or less occurrence Best Available Science--The frequency of the repetitive loss claims indicates there is approximately a 33 percent chance of flooding occurring each year.	Pierce County Watersheds Pierce County Flood Hazard Pierce County Repetitive Loss Areas Clear Creek Basin Repetitive Flood Loss Aerial Photo Flood Hazard Declared Disasters Feb 8, 1996 Flooding -- Del Rio Mobile Homes Along Puyallup River Nov 2006 Flooding River Park Estates – Along Puyallup River Nov 2006 Flooding State Route 410 – Along Puyallup River Nov 2006 Flooding Rainier Manor – Along Puyallup River
	<u>SEVERE WEATHER</u>	DR-4056-WA -- 01/2012 DR-1825- WA – 12/2008 – 01/2009 DR-1682-WA--12/2006 DR-1159-WA--12/96-2/1997 DR-1152-WA--11/19/1996	DR-981-WA--1/1993 DR-137-WA--10/1962	The recurrence rate for all types of severe storms is 5 years or less.	Fujita Tornado Damage Scale Windstorm Tracks Pierce County Severe Weather Wind Hazard – South Wind Event Pierce County Severe Weather Wind Hazard – East Wind Event Notable Severe Weather in Pierce County Snowstorm January 2004 Downtown Tacoma Satellite Image – Hanukkah Eve Windstorm Before/After Tornado Damage Greensburg KS May 2007 Public Works Responds 2005 Snowstorm Downed Power Pole February 2006 Windstorm County Road December 2006 Windstorm Tacoma Narrows Bridge – November 1940 Windstorm
	<u>WUI FIRE</u>	Not Applicable		Based on information from WA DNR the probability of recurrence for WUI fire hazard to Pierce County is 5 years or less.	Washington State Fire Hazard Map Pierce County Forest Canopy Industrial Fire Precaution Level Shutdown Zones Carbon Copy Fire August 2006 Washington State DNR Wildland Fire Statistics: 1973-2007 DNR Wildland Response South Puget Sound Region: 2002-2007 Pierce County DNR Fires

Technological	HAZARD	FEMA DECLARATION # DATE/PLACE	PROBABILITY/ RECURRENCE	MAPS, FIGURES AND TABLES
	<u>ABANDONED MINES</u>	Not Applicable	Based on Information from WA DNR The Pierce County Sheriff's Department reports that they have had very few incidents of citizens entering the abandoned mines in east Pierce Co. Isolated issues of minor subsidence have occurred, typically following flood events in 2009/2010	Pierce County – Mine Hazard Areas Map Based on WA DNR Information Schasse, Koler, Eberle, and Christie, <u>The Washington State Coal Mine Map Collection: A Catalog, Index, and User's Guide</u> , Open File Report 94-7, June 1984 Pierce County 2009 HIRA
	<u>CIVIL DISTURBANCE</u>	Not Applicable	Looking at the historical record, major civil unrest is a rare occurrence. Movement of military supplies from Port of Tacoma to Joint Base Lewis McChord	Pierce County Civil Disturbance Map Pierce County 2009 HIRA Hilltop Riots Tacoma 1969, 1991
	<u>DAM FAILURE</u>	Not Applicable	No occurrences in Pierce County 50+ years recurrence	Table D-1 PC Dams that Pose a High or Significant Risk, Pierce County 2009 HIRA Table D-2 Dam Failures in WA State
	<u>ENERGY EMERGENCY</u>	Not Applicable	<ul style="list-style-type: none"> January 2009 Loss of electricity to Anderson Island (underground [water] cable) Power Outage is the most frequent energy incident, via natural hazards (storms, ice) Recurrence Rate – 5 years (storms) Recurrence Rate – 50+ years (major)	Pierce County 2009 HIRA Tacoma Power Outage 1929, USS Lexington provide power Anderson Island January 2009 Underwater power cable broke
	<u>EPIDEMIC</u>	Not Applicable	Pandemics <ul style="list-style-type: none"> 2009-2010 "Swine Flu" Recurrence Rate – 20 years	Pierce County 2009 HIRA Tacoma Pierce County Health District Pan Flu Plan Measles, State of WA, 1990 E Coli. January 1993. September 1998
	<u>HAZARDOUS MATERIALS</u>	Not Applicable	<ul style="list-style-type: none"> Dalco Passage oil spill of October 13, 2004 Chlorine Spill Port of Tacoma February 12, 2007 Large Incidents 5 year recurrence Small Incidents 1 week recurrence	Pierce County 2009 HIRA Table HM-1 Reported Releases (in lbs.) of all chemicals, for Pierce Co. in 2008, all industries Chlorine Spill in the Port of Tacoma (February 12, 2007) Dalco Passage oil spill (October 13, 2004) Illegal methamphetamine sites (A high of 258 sites in 2001-56 sites in 2009)
	<u>PIPELINE FAILURE</u>	Not Applicable	<ul style="list-style-type: none"> Northwest Pipeline Corporation natural gas incident May 1st 2003, in Sumner 10 years recurrence	Map P-1 Pierce County Pipelines Pierce County 2009 HIRA
	<u>TERRORISM</u>	Not Applicable	Minor PC Incident – Recurrence 1-year Major Incident – Recurrence 100 years	Pierce County 2009 HIRA Tacoma's Model Cities and Human Rights Offices burned 1972 African American church burned 1993 White Supremacy Group Hate Crimes, 1998 Westgate Family Medicine Clinic bombed, 2011
	<u>TRANSPORTATION ACCIDENT</u>	Not Applicable	Minor Incidents occur daily Major Incidents rare Recurrence Rate – 10 years	Pierce County 2009 HIRA Rail: Freight Derailment, Steilacoom 1996 Freight Train Derailment, Chambers Bay, 2011

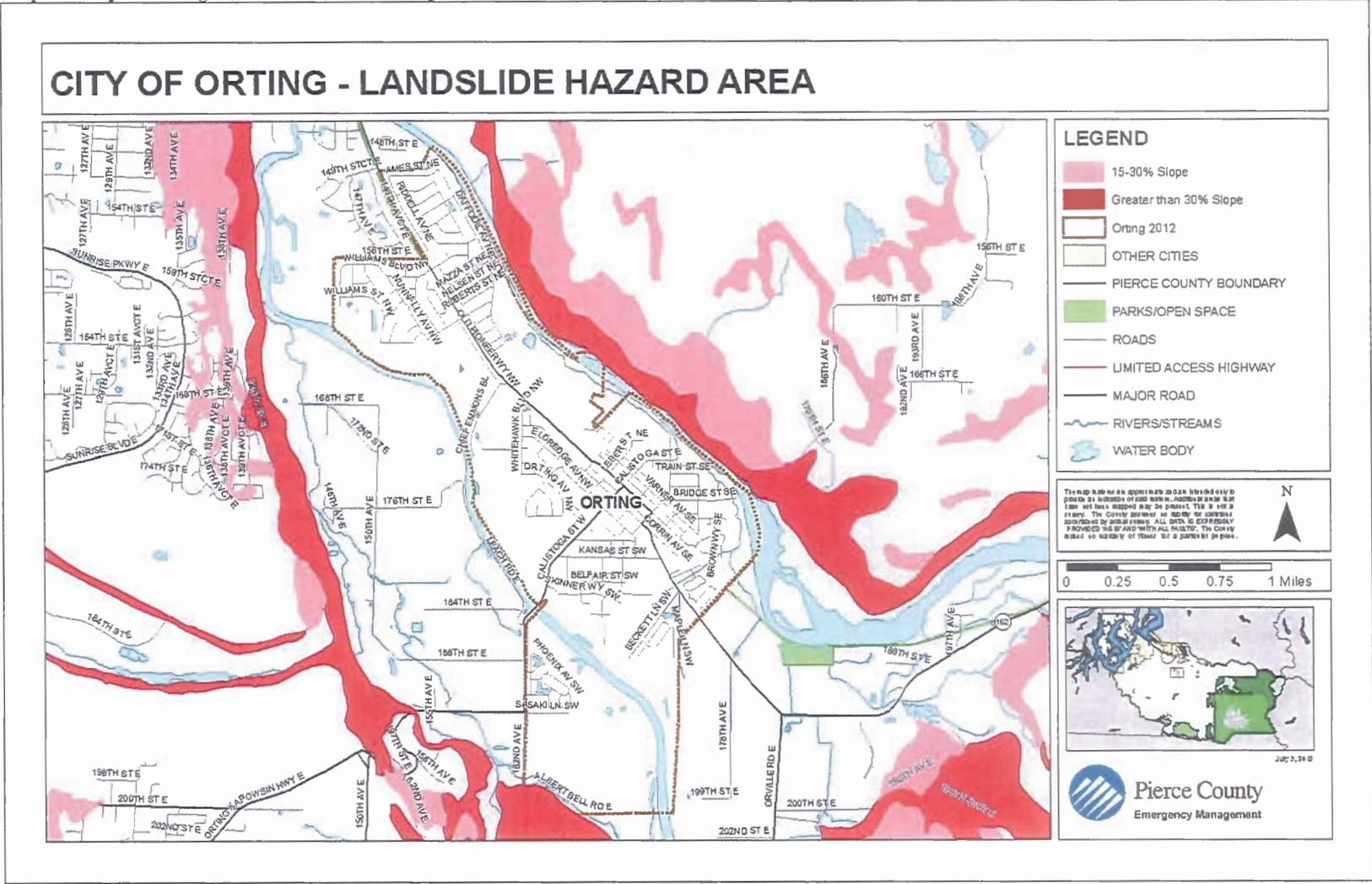
Map 4-1 City of Orting – Flood Hazard Map



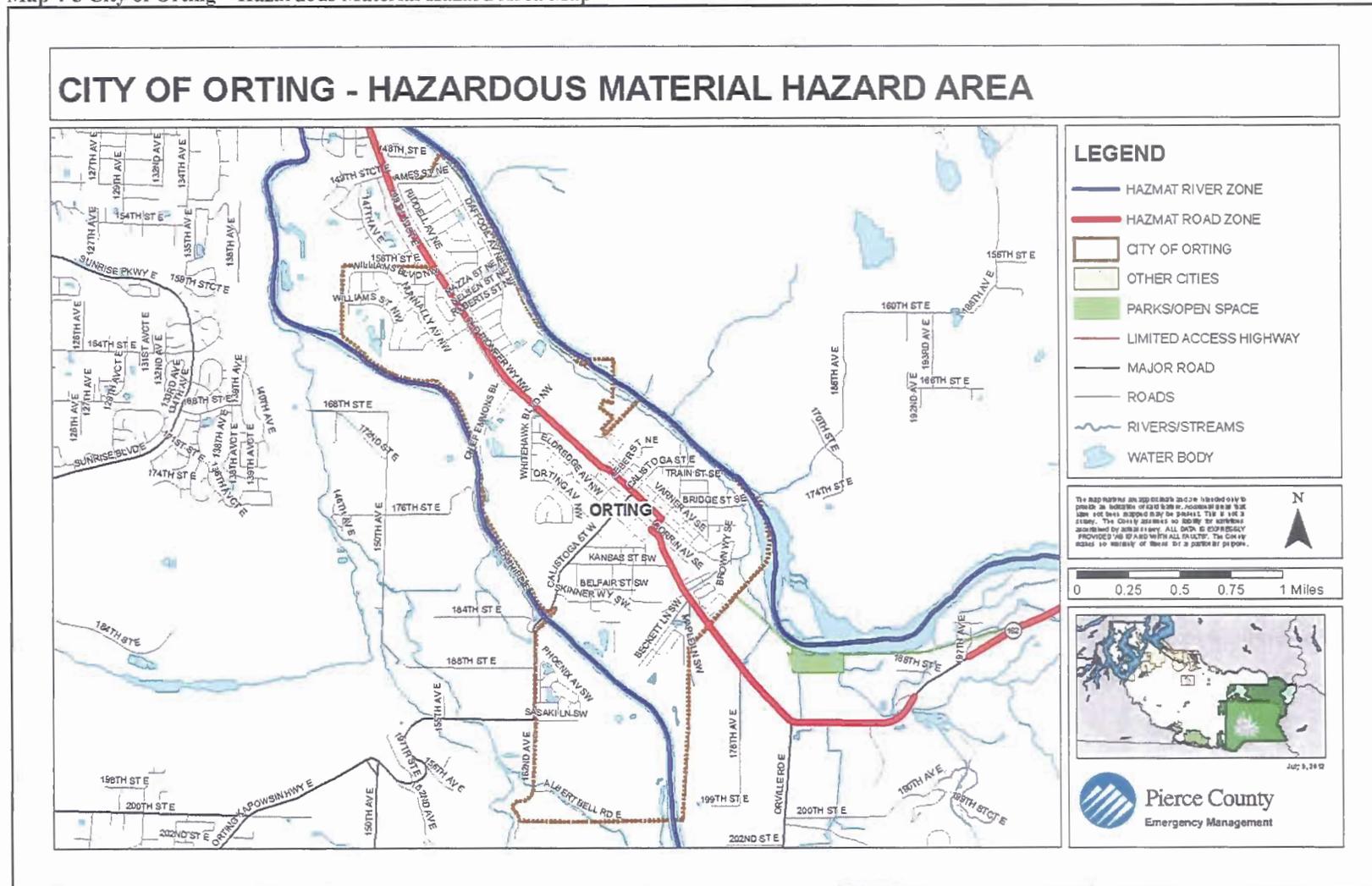
Map 4-2 City of Orting – Lahar Hazard Map



Map 4-3 City of Orting – Landslide Hazard Map



Map 4-5 City of Orting – Hazardous Material Hazard Area Map



Map 4-6 City of Orting – Emergency Transportation Hazard Area Map

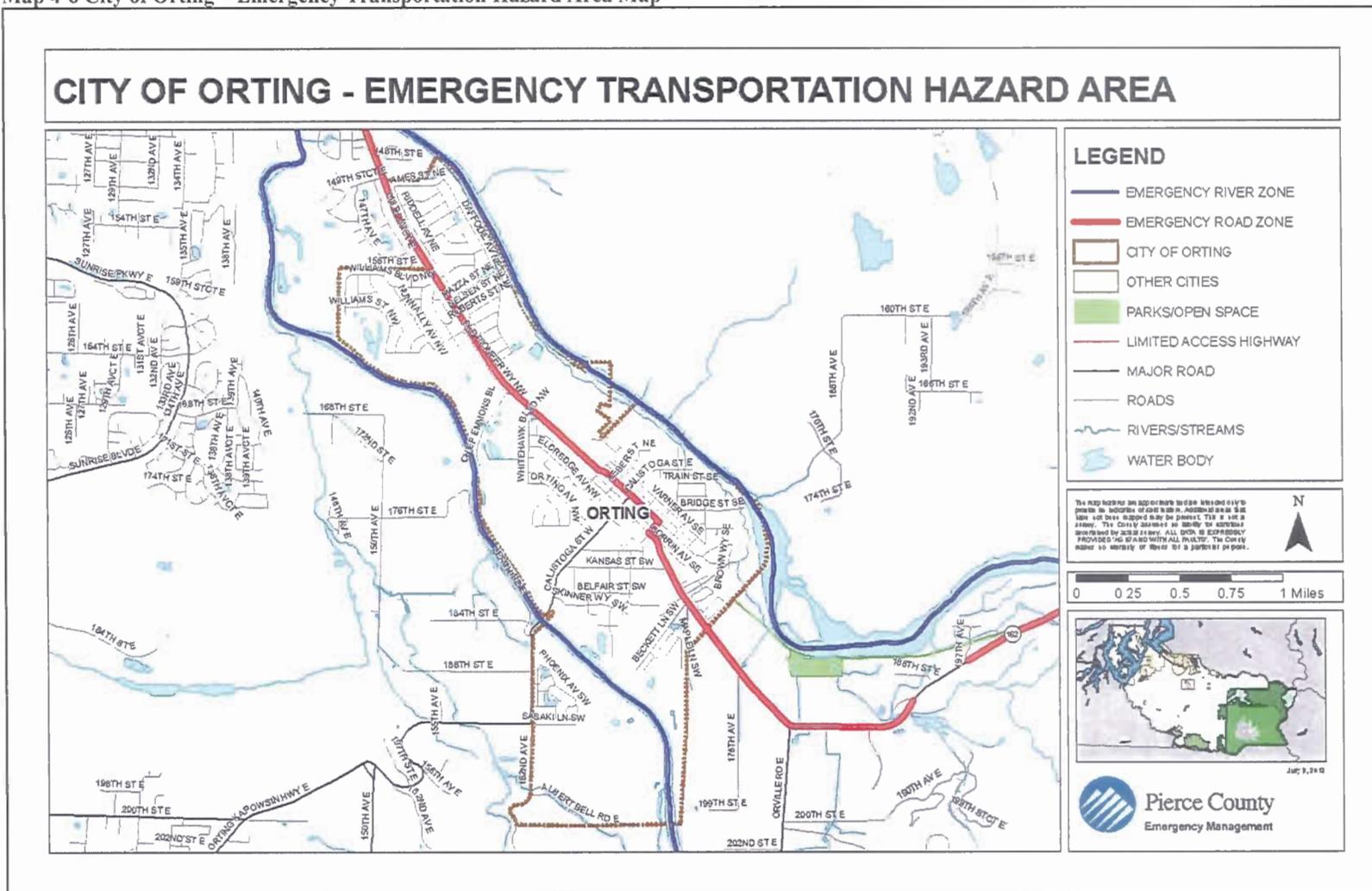


Table 4-2 Vulnerability Analysis: General Exposure¹

THREAT ²	AREA (SQ MI)		PARCELS		
	Total	% Base	Total	% Base	
BASE	2.74	100%	2,703	100%	
<i>Geological</i>	Avalanche³	NA	NA	NA	
	Earthquake⁴	2.38	86.8%	2,703	100%
	Landslide	.30	11%	4	.1%
	Tsunami	NA	NA	NA	NA
	Volcanic⁵	2.74	100%	2,703	100%
<i>Meteorological</i>	Drought⁶	2.74	100%	2,703	100%
	Flood	2.16	78.8%	3,281	52.84%
	Severe Weather	2.74	100%	2,703	100%
	WUI Fire⁷	NA	NA	NA	NA
<i>Technological</i>	Abandoned Mines⁸	NA	NA	NA	NA
	Civil Disturbance⁹	2.74	100%	2,703	100%
	Dam Failure¹⁰	NA	NA	NA	NA
	Energy Emergency¹¹	2.74	100%	2,703	100%
	Epidemic¹²	2.74	100%	2,703	100%
	Hazardous Material¹³	1.89	68.9%	2,489	92.1%
	Pipeline Hazard¹⁴	NA	NA	NA	NA
	Terrorism¹⁵	2.74	100%	2,703	100%
	Transportation Accidents¹⁶	1.89	68.9%	2,489	92.1%

Table 4-3 Vulnerability Analysis: Population Exposure

THREAT ²	POPULATION			SPECIAL POPULATIONS (OF TOTAL EXPOSED POPULATION)				
	Total	% Base	Density (pop/sq mi)	65+ yrs		20- yrs		
				#	%	#	%	
BASE	6,732	100%	2,616	689	11%	2,241	36%	
<i>Geological</i>	Avalanche	NA	NA	NA	NA	NA	NA	
	Earthquake	6,732	100%	2,828.47	689	100%	2,241	100%
	Landslide	6	.1%	19.90	0	0%	2	.1%
	Tsunami	NA	NA	NA	NA	NA	NA	NA
	Volcanic	6,732	100%	2,616	689	11%	2,241	36%
<i>Meteorological</i>	Drought	6,732	100%	2,616	689	11%	2,241	36%
	Flood	5,542	42%	212	602	44.7%	1,757	44%
	Severe Weather	6,732	100%	2,616	689	11%	2,241	36%
	WUI Fire	NA	NA	NA	NA	NA	NA	NA
<i>Technological</i>	Abandoned Mines	NA	NA	NA	NA	NA	NA	NA
	Civil Disturbance	6,732	100%	2,616	689	11%	2,241	36%
	Dam Failure	NA	NA	NA	NA	NA	NA	NA
	Energy Emergency	6,732	100%	2,616	689	11%	2,241	36%
	Epidemic	6,732	100%	2,616	689	11%	2,241	36%
	Hazardous Material	6,156	98.8%	3,250	550	79.8%	2,064	92.1%
	Pipeline Hazard	NA	NA	NA	NA	NA	NA	NA
	Terrorism	6,732	100%	2,616	689	11%	2,241	36%
Transportation Accidents	6,156	98.8%	3,250	550	79.8%	2,064	92.1%	

Table 4-4 Vulnerability Analysis: General Infrastructure Exposure

THREAT ²	LAND VALUE			IMPROVED VALUE			TOTAL ASSESSED VALUE			
	Total (\$)	% Base	Avg. Value (\$)	Total (\$)	% Base	Avg. Value (\$)	Total (\$)	% Base	Avg. Value (\$)	
BASE	\$127,965,900	100%	\$47,342	\$299,160,600	100%	\$110,677	\$427,126,500	100%	\$158,019	
<i>Geological</i>	Avalanche	NA	NA	NA	NA	NA	NA	NA	NA	
	Earthquake	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
	Landslide	\$8,626,100	6.7%	\$2,156,525	\$13,238,900	4.4%	\$3,309,725	\$21,865,000	5.1%	\$5,466,250
	Tsunami	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Volcanic	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
<i>Meteorological</i>	Drought	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
	Flood	\$190,875,400	49.33%	\$58,176	\$338,062,100	57.75%	\$103,036	\$528,937,500	54.4%	\$161,212
	Severe Weather	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
	WUI Fire	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>Technological</i>	Abandoned Mines	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Civil Disturbance	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
	Dam Failure	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Energy Emergency	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
	Epidemic	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059

Hazardous Material	\$114,580,500	89.5%	\$46,035	\$272,082,300	90.9%	\$109,314	\$386,662,800	90.5%	\$155,348.65
Pipeline Hazard	NA	NA	NA	NA	NA	NA	NA	NA	NA
Terrorism	\$127,965,900	100%	\$47,342	\$299,268,100	100%	\$110,717	\$427,234,000	100%	\$158,059
Transportation Accidents	\$114,580,500	89.5%	\$46,035	\$272,082,300	90.9%	\$109,314	\$386,662,800	90.5%	\$155,348.65

Table 4-5a Consequence Analysis Chart – Geological^{17,18}

THREAT		CONSEQUENCE	YES OR NO
<i>Geological</i>	Avalanche	Impact to the Public	No
		Impact to the Responders	No
		Impact to COG and/or COOP in the Jurisdiction	No
		Impact to Property, Facilities and Infrastructure	No
		Impact to the Environment	No
		Impact to the Jurisdiction Economic Condition	No
		Impact to Reputation or Confidence in Jurisdiction	No
	Earthquake	Impact to the Public	Yes
		Impact to the Responders	Yes
		Impact to COG and/or COOP in the Jurisdiction	Yes
		Impact to Property, Facilities and Infrastructure	Yes
		Impact to the Environment	Yes
		Impact to the Jurisdiction Economic Condition	Yes
		Impact to Reputation or Confidence in Jurisdiction	Yes
	Landslide	Impact to the Public	Yes
		Impact to the Responders	No
		Impact to COG and/or COOP in the Jurisdiction	No
		Impact to Property, Facilities and Infrastructure	Yes
		Impact to the Environment	Yes
		Impact to the Jurisdiction Economic Condition	No
		Impact to Reputation or Confidence in Jurisdiction	No
	Tsunami	Impact to the Public	No
		Impact to the Responders	No
		Impact to COG and/or COOP in the Jurisdiction	No
		Impact to Property, Facilities and Infrastructure	No
		Impact to the Environment	No
		Impact to the Jurisdiction Economic Condition	No
Impact to Reputation or Confidence in Jurisdiction		No	
Volcanic¹⁹	Impact to the Public	Yes	
	Impact to the Responders	Yes	
	Impact to COG and/or COOP in the Jurisdiction	Yes	
	Impact to Property, Facilities and Infrastructure	Yes	
	Impact to the Environment	Yes	
	Impact to the Jurisdiction Economic Condition	Yes	
	Impact to Reputation or Confidence in Jurisdiction	Yes	

Table 4-5b Consequence Analysis Chart – Meteorological

THREAT		CONSEQUENCE	YES OR NO
<i>Meteorological</i>	Drought	Impact to the Public	Yes
		Impact to the Responders	No
		Impact to COG and/or COOP in the Jurisdiction	No
		Impact to Property, Facilities and Infrastructure	No
		Impact to the Environment	Yes
		Impact to the Jurisdiction Economic Condition	Yes
	Flood	Impact to Reputation or Confidence in Jurisdiction	No
		Impact to the Public	Yes
		Impact to the Responders	Yes
		Impact to COG and/or COOP in the Jurisdiction	No
		Impact to Property, Facilities and Infrastructure	Yes
		Impact to the Environment	Yes
	Severe Weather	Impact to the Jurisdiction Economic Condition	Yes
		Impact to Reputation or Confidence in Jurisdiction	Yes
		Impact to the Public	Yes
		Impact to the Responders	Yes
		Impact to COG and/or COOP in the Jurisdiction	No
		Impact to Property, Facilities and Infrastructure	Yes
	WUI Fire	Impact to the Environment	Yes
		Impact to the Jurisdiction Economic Condition	Yes
Impact to Reputation or Confidence in Jurisdiction		Yes	
Impact to the Public		Yes	
Impact to the Responders		Yes	
Impact to COG and/or COOP in the Jurisdiction		No	

Table 4-5c Consequence Analysis Chart – Technological²⁰

THREAT		CONSEQUENCE	YES OR NO
<i>Technological</i>	Abandoned Mines	Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	
		Impact to the Environment	
		Impact to the Jurisdiction Economic Condition	
	Civil Disturbance	Impact to Reputation or Confidence in Jurisdiction	
		Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	
		Impact to the Environment	
	Dam Failure	Impact to the Jurisdiction Economic Condition	
		Impact to Reputation or Confidence in Jurisdiction	
		Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	

	Energy Emergency	Impact to Reputation or Confidence in Jurisdiction	
		Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	
		Impact to the Environment	
		Impact to the Jurisdiction Economic Condition	
	Epidemic	Impact to Reputation or Confidence in Jurisdiction	
		Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	
		Impact to the Environment	
		Impact to the Jurisdiction Economic Condition	
	Hazardous Materials	Impact to Reputation or Confidence in Jurisdiction	
		Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	
		Impact to the Environment	
		Impact to the Jurisdiction Economic Condition	
	Pipeline Hazards	Impact to Reputation or Confidence in Jurisdiction	
		Impact to the Public	
		Impact to the Responders	
		Impact to COG and/or COOP in the Jurisdiction	
		Impact to Property, Facilities and Infrastructure	
		Impact to the Environment	
		Impact to the Jurisdiction Economic Condition	
Terrorism	Impact to Reputation or Confidence in Jurisdiction		
	Impact to the Public		
	Impact to the Responders		
	Impact to COG and/or COOP in the Jurisdiction		
	Impact to Property, Facilities and Infrastructure		
	Impact to the Environment		
	Impact to the Jurisdiction Economic Condition		
Transportation Accident	Impact to Reputation or Confidence in Jurisdiction		
	Impact to the Public		
	Impact to the Responders		
	Impact to COG and/or COOP in the Jurisdiction		
	Impact to Property, Facilities and Infrastructure		
	Impact to the Environment		
	Impact to the Jurisdiction Economic Condition		

Summary

The City of Orting is located in the Central North portion of Pierce County, surrounded by the Puyallup River and the Carbon River. The City is highly susceptible to eleven of the eighteen hazards we considered in this plan. The risks are Seismic, Flooding, Lahar, Drought, Hazardous Material, Transportation Accidents, Severe Weather, Civil Disturbance, Energy Emergency, Epidemic and Terrorism. The risks impact critical infrastructure including Highway 162, the cross-county transportation runs right through this area and could easily be blocked by any number of hazards. In addition, most buildings in the City are composed of a variety of construction types, of which a major portion could be liquefiable or settle differentially in an

earthquake. To add to the vulnerability, the City of Orting has many historical buildings. Due to the severe weather events, Orting experiences extended power outages. Orting's location between the Puyallup and Carbon Rivers increases the risk of flooding, while the close proximity to Mount Rainier increases the City's risk from a lahar.

Endnotes

¹ Info obtained from Pierce County GIS application, CountyView Pro (12/09).

² Currently the expanding body of empirical data on climate change supports its basic premise that the long term average temperature of the earth's atmosphere has been increasing for decades (*1850 to 2008*). This trend is continuing and will create dramatic changes in the local environment of Pierce County. Today, questions revolve around the overall increase in local temperature and its long term effects. Climate change today refers to variations in either regional or global environments over time. Time can refer to periods ranging in length from a few decades to other periods covering millions of years. A number of circumstances can cause climate change. Included herein are such diverse factors as solar cycles, volcanic eruptions, changing ocean current patterns, or even something as unusual as a methane release from the ocean floor. Over the past 150 years good temperature records have allowed comparisons to be made of global temperatures from year-to-year. This has shown an overall increase of approximately 0.7° C during this period. An increasing body of scientific evidence implies that the primary impetus driving climate change today is an increase in atmospheric green house gases.

³ Jurisdiction is not vulnerable to this hazard, therefore it is marked NA or non-applicable.

⁴ It should be noted that although all residents, all property and all infrastructure of the City of Orting are vulnerable to earthquake shaking, not all are subject to the affects of liquefaction and liquefiable soils which is what is represented here.

⁵ The threat of volcanic ashfall affects the entire Region 5 however some jurisdictions are specifically threatened by lahar flows directly from Mt. Rainier; an active volcano.

⁶ The entire jurisdiction is vulnerable to drought. There are three things that must be understood about the affect of drought on the jurisdiction: 1) Drought is a Region wide event. When it does affect Pierce County, it will affect every jurisdiction, 2) Drought will gradually develop over time. It is a gradually escalating emergency that may take from months to years to affect the jurisdiction. Initially lack of water may not even be noticed by the citizens. However, as the drought continues, its effects will be noticed by a continually expanding portion of the community until it is felt by all, and 3) Jurisdictions will be affected differently at different times as a drought develops. This will vary depending on the needs of each local jurisdiction. Some examples are: jurisdictions that have industry that requires a continuous supply of a large quantity of water; others have agriculture that requires water, but may only require it at certain times of the year; and, some jurisdictions have a backup source of water while others do not.

⁷ According to the most recent information from the Department of Natural Resources, the City of Orting while undergoing development does not have large areas of forested land that could develop into a wildland/urban interface fire. Further study is needed to determine the extent of the area that could be affected.

⁸ The definition of Abandoned Mines comes from the 2010 Pierce County HIRA: Abandoned mines are any excavation under the surface of the earth, formerly used to extract metallic ores, coal, or other minerals, and that are no longer in production.

⁹ The definition of Civil Disturbance comes from the 2010 Pierce County HIRA: Civil Disturbance (unrest) is the result of groups or individuals within the population feeling, rightly or wrongly, that their needs or rights are not being met, either by the society at large, a segment thereof, or the current overriding political system. When this results in community disruption of a nature where intervention is required to maintain public safety it has become a civil disturbance. Additionally, the Region 5 Strategic Plan includes Operational Objectives 3 & 4: Intelligence Gathering, Indicators, Warnings, etc; and Intelligence and Information Sharing.

¹⁰ The definition of Dam Failure comes from the 2010 Pierce County HIRA: A dam is any “barrier built across a watercourse for impounding water.”¹⁰ Dam failures are catastrophic events “characterized by the sudden, rapid, and uncontrolled release of impounded water. The vulnerability analysis was based on the potential dam failure from Mud Mountain Dam and Lake Tapps using Pierce County’s GIS data which originated from each of the dams emergency plans inundation maps.

¹¹ The definition of an Energy Emergency comes from the 2010 Pierce County HIRA: Energy emergency refers to an out-of-the-ordinary disruption, or shortage, of an energy resource for a lengthy period of time. Additionally the Region 5 Strategic Plan addresses Energy Emergencies in its Operational Objective 32, Restoration of Lifelines which addresses the restoration of critical services such as oil, gas, natural gas, electric, etc.

¹² The definition of epidemic comes from the TPCHD Flu Plan of 2005: A Pandemic is an epidemic occurring over a very wide area and usually affecting a large proportion of the population. Pandemics occur when a wholly new

subtype of influenza A virus emerges. A “novel” virus can develop when a virulent flu strain that normally infects birds or animals infects a human who has influenza; the two viruses can exchange genetic material, creating a new, virulent flu virus that can be spread easily from person-to-person. Unlike the flu we see yearly, no one would be immune to this new flu virus, which would spread quickly, resulting in widespread epidemic disease – a pandemic. (DOH Plan & U.S. Dept. of HHS).

¹³ The definition of Hazardous Materials comes from the 2010 Pierce County HIRA: Hazardous materials are materials, which because of their chemical, physical or biological properties, pose a potential risk to life, health, the environment, or property when not properly contained. A hazardous materials release then is the release of the material from its container into the local environment. A general rule of thumb for safety from exposure to hazardous material releases is 1000ft; the Emergency Response Guidebook 2008, established by the US Dept of Transportation, contains advice per specific materials. The vulnerability analysis was broken into two sub sections for a better understanding of the hazard using Pierce County’s GIS data with a 500 foot buffer on either side of the railroads and major roadways.

¹⁴ The definition of Pipeline Emergency comes from the 2010 Pierce County HIRA: While there are many different substances transported through pipelines including sewage, water and even beer, pipelines, for the purpose of this chapter, are transportation arteries carrying liquid and gaseous fuels. They may be buried or above ground

¹⁵ The definition of Terrorism comes from the 2010 Pierce County HIRA: Terrorism has been defined by the Federal Bureau of Investigation as, “the unlawful use of force or violence against persons or property to intimidate or coerce a Government, the civilian population or any segment thereof, in furtherance of political or social objectives.” These acts can vary considerably in their scope, from cross burnings and the spray painting of hate messages to the destruction of civilian targets. In some cases, violence in the schools has also been labeled as a form of terrorism.

¹⁶ The definition of Transportation Accident comes from the 2010 Pierce County HIRA: Transportation accidents as used in this assessment include accidents involving a method of transportation on the road, rail, air, and maritime systems within the confines of Pierce County. The vulnerability analysis was broken into three sub sections for a better understanding of the hazard using Pierce County’s GIS data; Commencement Bay to include inland rivers and streams, railroads, and roads. A 200 foot buffer was applied to all the shorelines and a 500 foot buffer on either side of the railroads and roadways.

¹⁷ In the Impact to Property, Facilities and Infrastructure, both Tables 4-5a and 4-5b, look at the impact to all property, facilities and infrastructure existing in the jurisdiction, not just to that owned by the jurisdiction.

¹⁸ The consideration for each of these hazards, in both Tables 4-5a and 4-5b, as to whether an individual hazard’s consequences exist, or not, is based on a possible worst case scenario. It must also be understood that a “yes” means that there is a good possibility that the consequence it refers to could happen as a result of the hazard, not that it will. Conversely “No” means that it is highly unlikely that that consequence will have a major impact, not that there will be no impact at all.

¹⁹ While the major volcanic hazard from Mt. Rainier is from a lahar descending the main river valleys surrounding the mountain, it is not the only problem. Most jurisdictions could receive tephra in greater or lesser amounts, sometimes with damaging results. Consequence analyses in this section take into account the possibility of tephra deposition in addition to a lahar.

²⁰ The Technological Consequences are added herein to acknowledge the role of human-caused hazards in the health and safety of unincorporated Pierce County. The consequences noted are under the same criteria as natural hazards given their impacts to the departmental assets.

Section 5

Mitigation Strategy Requirements

Mitigation Strategy---Requirement §201.6(c)(3):

The plan **shall** include a strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

Local Hazard Mitigation Goals---Requirement §201.6(c)(3)(i):

[The hazard mitigation strategy **shall** include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

- Does the new or updated plan include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards?

Identification and Analysis of Mitigation Actions---Requirement §201.6(c)(3) (ii):

[The mitigation strategy **shall** include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

Identification and Analysis of Mitigation Actions: National Flood Insurance Program (NFIP) Compliance---Requirement §201.6(c)(3)(ii):

[The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

- Does the new or updated plan identify and analyze a **comprehensive range** of specific mitigation actions and projects for each hazard?
- Do the identified actions and projects address reducing the effects of hazards on **new** buildings and infrastructure?
- Do the identified actions and projects address reducing the effects of hazards on **existing** buildings and infrastructure?
- Does the new or updated plan describe the jurisdiction(s) participation in the NFIP?
- Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?

Implementation of Mitigation Actions---Requirement: §201.6(c)(3) (iii):

[The mitigation strategy section **shall** include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization **shall** include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

- Does the new or updated mitigation strategy include how the actions are **prioritized**? (For example, is there a discussion of the process and criteria used?)
- Does the new or updated mitigation strategy address how the actions will be **implemented and administered**, including the responsible department, existing and potential resources and the timeframe to complete each action?
- Does the new or updated prioritization process include an emphasis on the use of **cost-benefit review** to maximize benefits?
- Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (i.e., deferred), does the updated plan describe why no changes occurred?

Section 5

Mitigation Strategy Requirements

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[The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

- Does the new or updated plan identify and analyze a **comprehensive range** of specific mitigation actions and projects for each hazard?
- Do the identified actions and projects address reducing the effects of hazards on **new** buildings and infrastructure?
- Do the identified actions and projects address reducing the effects of hazards on **existing** buildings and infrastructure?
- Does the new or updated plan describe the jurisdiction(s) participation in the NFIP?
- Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?

Implementation of Mitigation Actions---Requirement: §201.6(c)(3) (iii):

[The mitigation strategy section **shall** include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization **shall** include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

- Does the new or updated mitigation strategy include how the actions are **prioritized**? (For example, is there a discussion of the process and criteria used?)
- Does the new or updated mitigation strategy address how the actions will be **implemented and administered**, including the responsible department, existing and potential resources and the timeframe to complete each action?
- Does the new or updated prioritization process include an emphasis on the use of **cost-benefit review** to maximize benefits?
- Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (i.e., deferred), does the updated plan describe why no changes occurred?

SECTION 5

REGION 5 ALL HAZARD MITIGATION PLAN 2015-2020 EDITION CITY OF ORTING MITIGATION STRATEGY SECTION

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Table 5-1 City of Orting Mitigation Strategy Matrix

Implementation Mechanism	Mitigation Measure (Hazard(s)) ¹	Lead Jurisdiction(s) / Department(s)	Timeline (years)	Plan Goals					
				Life and Property	Operations Continuity	Partnerships	Natural Resources	Preparedness	Sustainable Economy
Startup	1. Existing Mitigation Actions (E,L,V,D,F,WUI,SW,MM)	Orting	Ongoing	✓	✓	✓	✓	✓	✓
	2. Plan Maintenance (E,L,V,D,F,WUI,SW,MM)	Orting	Ongoing	✓	✓	✓	✓	✓	✓
HMF	1. Pierce County Hazard Mitigation Forum (E,L,V,D,F,WUI,SW,MM)	PC DEM; Orting	Ongoing	✓	✓	✓	✓	✓	✓
City Government	1. Capability Identification and Evaluation (E,L,V,D,F,WUI,SW,MM)	Orting	1-2	N/A					
	2. Support Implementation of Orting Emergency Evacuation Bridge (V, F)	Orting and Regional Partners	5	✓	✓	✓	✓	✓	✓
	3. Improve Effectiveness Of Current Evacuation Plan and Support Improved Science of Mt. Rainier (V,F)	Orting and Regional Partners	5	✓	✓	✓	✓	✓	✓
	4. Carbon River Levee Improvement (E,V,F)	Orting	5	✓	✓	✓	✓	✓	✓
	5. Sealing Manhole Covers in City of Orting (F,SW,MM)	Orting	5	✓	✓				✓
	6. Purchase and install manholes with special tide-flex valves (V,F,SW,MM)	Orting	5	✓	✓		✓		✓
	7. Increase Conservation Property (E,L,V,F)	Orting	1-2	✓			✓		✓
	8. Modify the City’s Multi-Purpose Center to become a Community Warming/Cooling Center for Severe Weather (E, V, F, SW)	Orting	Short-Term	✓		✓		✓	
	9. Enhance First Responder Mobility (E,L,V,F,WUI,MM)	Orting	5	✓	✓				✓
	10. Install Public Address Systems in Police Vehicles (E,L,V,D,F,SW,WUI,MM)	Orting	1-2	✓	✓				
	11. City Infrastructure-Structural Retrofit Program (E,SW)	Orting	5	✓	✓			✓	✓
	12. Continue Implementation of the CRS Program (F,SW)	Orting - Public Works	5	✓	✓	✓		✓	✓
	13. National Flood Insurance Program (F)	Orting (Community Development); PC PWU	Ongoing	✓	✓	✓	✓	✓	
Public Education	14. Construct Outfalls With Tide-Flex Valves Along the Puyallup And Carbon Rivers	Orting and Pierce County	5	✓	✓	✓	✓	✓	
	1. Continue Lahar Evacuation Drills (V)	Orting/ School District/ FD 18	Ongoing	✓		✓		✓	
	2. Public Education – Implement Community Emergency Response Team(E,L,D,F,SW,WUI)	Orting and Pierce County	Ongoing	✓		✓		✓	

Startup Mitigation Measures

Existing Mitigation Actions

Hazards: E, L, V, D, F, WUI, SW¹, MM²

The City of Orting will integrate the hazard mitigation plan into existing plans, ordinances, and programs to dictate land uses within the jurisdiction. Further, Orting will continue to implement existing programs, policies, and regulations as identified in the Capability Identification Section of this Plan. This includes such actions as updating the Critical Area Regulations and any ensuing land use policies with best available science. It also includes continuing those programs that are identified as technical capabilities.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Preserve or Restore Natural Resources; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be accomplished with local budgets, loans or grants.
4. **Lead Jurisdiction(s)** = City of Orting
5. **Timeline** = Ongoing
6. **Benefit** = City-Wide
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Plan Maintenance

Hazards: E, L, V, D, F, WUI, SW¹, MM²

Orting will adopt those processes outlined in the Plan Maintenance Section of this Plan.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Preserve or Restore Natural Resources; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budget.
4. **Lead Jurisdiction(s)** = City of Orting
5. **Timeline** = Ongoing
6. **Benefit** = City-Wide
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Hazard Mitigation Forum

Pierce County Hazard Mitigation Forum

Hazards: E, L, V, D, F, WUI, SW¹, MM²

Orting will work in conjunction with the County through the Pierce County Hazard Mitigation Forum (HMF). The Forum will continue as a means of coordinating mitigation planning efforts among all jurisdictions within the County that have completed a mitigation plan. This ensures efficient use of resources and a more cooperative approach to making a disaster resistant county. The HMF meets annually; every October. This is addressed in the Plan Maintenance Section of this Plan.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Preserve or Restore Natural Resources; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = Minor
3. **Funding Source and Situation** = Funding could be obtained through local budget.
4. **Lead Jurisdiction(s)** = PC DEM; City of Orting
5. **Timeline** = Ongoing
6. **Benefit** = Regional
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

City Government Mitigation Measures

Capability Identification and Evaluation

Hazards: E, L, V, D, F, WUI, SW¹, MM²

Orting will develop a consistent and replicable system for evaluating the City's capabilities. A comprehensive evaluation will lead to specific policy recommendations to more effectively achieve disaster resistant communities. Further, a capability evaluation involves measurable variables so that capabilities may eventually be tracked in conjunction with the implementation of all mitigation measures. This is a key component in evaluating the success of the City's overall mitigation strategy.

1. **Goal(s) Addressed** = N/A. Goals addressed are contingent upon the mitigation measures resulting from this priority.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = City of Orting
5. **Timeline** = Short-term
6. **Benefit** = City-Wide
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Support Implementation Of The Orting Emergency Evacuation Bridge

Hazards: V, F¹

The City of Orting recognizes the risk of a Lahar mudflow from Mt. Rainier. The Bridge for Kids a non-profit organization was awarded grant money from the State and Federal Government of nearly 2.4 million dollars to do an alternative analysis study and eventually design a more effective evacuation route off the valley floor. Pierce County Public works administered the project and contracted design funds. Berger Abam was contracted to design the evacuation route and structures needed to meet the criteria of evacuating the greatest number of people from the valley floor in a Lahar event.

The alternative analysis proposed a three component pedestrian self-evacuate route crossing SR162 and the Carbon River leading to an evacuation receiving area near the Tehaleh Development. The project Alternative Analysis was adopted by the city and is identified as the “Orting Emergency Evacuation Bridge System.”

The projects next steps will be to proceed to final design and construction. The city will assume the lead agency role working in joint collaboration with the State, County and Federal agencies, seeking out sources of funding to proceed towards the successful completion of the project including, environmental documentation, right of way plans, acquisition of SR162 right of way and final design. This project will benefit all citizens and students in town with the fastest most effective pedestrian evacuation route to a high ground receiving area.

1. **Goal(s) Addressed** = Protect Life and Property; Establish and Strengthen Partnerships for Implementation; Promote a Sustainable Economy.
2. **Cost of Measure** = \$45 million
3. **Funding Source and Situation** = Funding could be obtained through state and federal grants.
4. **Lead Jurisdiction(s)** = Pierce County Public Works, new lead in process.
5. **Timeline** = Long-term
6. **Benefit** = City of Orting, others in Valley, First Responders
7. **Life of Measure** = 75 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Improve Effectiveness Of Current Evacuation Plans and Support Improved Science Of Mt. Rainier.

Hazards: V, F¹

While the City of Orting continues to support the design and construction of the Emergency Evacuation Bridge System, it will endeavor to improve current evacuation effectiveness with drills and awareness. The City will support the United States Geological Survey and Pierce County DEM in the research of Mt. Rainier with advancement in sensor technology and science of seismic activity to give the City more accurate information of the mountains activity and indicators of a Lahar in progress. This will include the addition of more Lahar Sirens, pedestrian improvements to Calistoga St. W. and new sensors on Mt. Rainier.

9. **Goal(s) Addressed** = Protect Life and Property; Establish and Strengthen Partnerships for Implementation; Promote a Sustainable Economy.
10. **Cost of Measure** = TBD
11. **Funding Source and Situation** = Funding could be obtained through state and federal grants.
12. **Lead Jurisdiction(s)** = Pierce County DEM.
13. **Timeline** = Long-term
14. **Benefit** = City of Orting, others in Valley, First Responders
15. **Life of Measure** = 75 years
Community Reaction = the proposal is likely to be endorsed by majority of citizens.

Carbon River Levee Improvement

Hazards: E, V, F¹

Design and build improvements to the levee that meets Federal Regulatory Standards on the Carbon River. This will be a joint partnership with Pierce County. The project will be tied into the Cities CRS program for the NFIP.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Restore/Protect/Preserve the Environment; Establish and Strengthen Partnerships for Implementation; Increase Public Preparedness for Disasters.
2. **Cost of Measure** = \$20 million.
3. **Funding Source and Situation** = City funds, loans, County Flood District, federal and state grants.
4. **Lead Jurisdiction(s)** = City of Orting - Administration
5. **Timeline** = Long-Term
6. **Benefit** = The entire city and all populations, critical infrastructure, fish and wildlife
7. **Life of Measure** = 50 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Sealing Manhole Covers in City of Orting

Hazards: F, SW¹, MM²

Obtain and install special lids for the manhole covers that prevent water from entering the sewer system.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations.
2. **Cost of Measure** = \$120 each for 400 of them or around \$50,000
3. **Funding Source and Situation** = City funds and grants.
4. **Lead Jurisdiction(s)** = City of Orting – Public Works
5. **Timeline** = Long-term
6. **Benefit** = Entire city and population
7. **Life of Measure** = 20 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Purchase and install manholes with special tide-flex valves At Storm Ponds

Hazards: V, F, SW¹, MM²

Purchase and install manholes with special tide-flex valves (one way backflow valve) to prevent river water from flowing into the city and maintain fish habitat.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Preserve or Restore Natural Resources.
2. **Cost of Measure** = \$75,000 each (need 5) or a total of \$375,000
3. **Funding Source and Situation** = Funding could be obtained through Storm Impact Fee for match, REET or state and federal grants.
4. **Lead Jurisdiction(s)** = City of Orting – Public Works
5. **Timeline** = Long-Term
6. **Benefit** = Entire city and population, reduces impact of flooding. Levee system benefit in relieving pressure.
7. **Life of Measure** = 20 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Increase Open Space in the Conservation Residential Zone by Rivers

Hazards: E, L, V, F¹

Currently, there is limited available land density behind the Levee System. Converting land from residential to open space would reduce the vulnerability of the City.

1. **Goal(s) Addressed** = Protect Life and Property; Promote a Sustainable Economy; Preserve or Restore Natural Resources.
 2. **Cost of Measure** = \$10,000
 3. **Funding Source and Situation** = County Conservation Futures grant.
 4. **Lead Jurisdiction(s)** = City of Orting – Administrator
 5. **Timeline** = Short-term
 6. **Benefit** = City wide, environmental
 7. **Life of Measure** = perpetual
 8. **Community Reaction** = the proposal would be somewhat controversial.
-

Modify the City's Multi-purpose Center to become a Community Warming/ Cooling Center for Severe Weather

Hazards: E, V, F, SW¹

Equip this Center with the proper resources including a generator, sufficient electrical power and outlets, supplies, and communication equipment.

1. **Goal(s) Addressed** = Protect Life and Property; Establish and Strengthen Partnerships for Implementation; Increase Public Preparedness for Disasters.
 2. **Cost of Measure** = \$75,000 with generator, electrical labor and supplies
 3. **Funding Source and Situation** = City funds, state and federal grants
 4. **Lead Jurisdiction(s)** = City of Orting
 5. **Timeline** = Short-term
 6. **Benefit** = City population and mostly seniors, the specific facility
 7. **Life of Measure** = perpetual
 8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.
-

Enhance First Responder Mobility

Hazards: E, L, V, F, WUI¹, MM²

This measure would provide means of small, fast transportable conveyance for first responder personnel to evacuate area, conduct damage assessments, etc. This would involve research, identification, and purchasing of such conveyance devices.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Promote A Sustainable Economy.
 2. **Cost of Measure** = TBD
 3. **Funding Source and Situation** = Funding could be obtained through local match or grants.
 4. **Lead Jurisdiction(s)** = City of Orting – Police Department, Building Department
 5. **Timeline** = Long-term
 6. **Benefit** = City population, First Responders
 7. **Life of Measure** = 5 years for equipment or 7
 8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.
-

Install Public Address Systems in Police Vehicles

Hazards: E, L, V, D, F, SW, WUI¹, MM²

This measure would install public address systems in all Police Vehicles. The public address system would enhance the communication capability to warn Citizens of pending threats.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = \$20,000 (ten cars)
3. **Funding Source and Situation** = Funding could be obtained through local match or grants.
4. **Lead Jurisdiction(s)** = City of Orting – Police Department
5. **Timeline** = Short-term
6. **Benefit** = City population, all hazards
7. **Life of Measure** = 5-7 years equipment
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

City Infrastructure-Structural Retrofit

Hazards: E, SW¹

This measure would develop and implement a program to assess and structurally retrofit City Infrastructure. Priority would be given to infrastructure that serves the greatest population.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Promote a Sustainable Economy.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local match or state and federal grants.
4. **Lead Jurisdiction(s)** = City of Orting - Administration
5. **Timeline** = Long-term
6. **Benefit** = Citizens of Orting and Orting Public Services
7. **Life of Measure** = 50 years
8. **Community Reaction** = the proposal would be somewhat controversial.

Continue Support of the CRS Program

Hazards: F, SW¹

The measure would involve the City to continue development in the NFIP CRS Program. Currently, the City has a rating of 5. The City will work to sustain the rating.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Establish and Strengthen Partnerships for Implementation; Preserve or Restore Natural Resources; Increase Public Preparedness for Disasters; Promote a Sustainable Economy.
2. **Cost of Measure** = \$2,500/year
3. **Funding Source and Situation** = Funding could be obtained through local budget as well as state and federal grants.
4. **Lead Jurisdiction(s)** = City of Orting – Public Works/Building Department
5. **Timeline** = Long-term
6. **Benefit** = City of Orting, surrounding jurisdictions and environment
7. **Life of Measure** = Varies
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

National Flood Insurance Program

Hazards: F

Orting will ensure that the City is compliant with the National Flood Insurance Program by updating floodplain identification and mapping, enforcing the flood damage prevention ordinance, and providing public education on floodplain requirements and impacts. The City of Orting will be an active participant in the Pierce County Flood Control District. The City will enter the LAMP process with the Corp of Engineers to receive FEMA certification of the Puyallup Setback levee.

1. **Goal(s) Addressed** = Protect life and property; Ensure Continuity of Operations; Increase Public Preparedness; Increase and Strengthen Partnerships; Protect the Environment; Increase Public Preparedness
2. **Cost of Measure** = \$350,000
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants
4. **Lead Jurisdiction(s)** = Orting Building Department; Pierce County Public Works Dept.
5. **Timeline** = On-going
6. **Benefit** = City-wide; Regional
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Construct Outfalls with Tide-flex Valves along the Puyallup and Carbon Rivers

Hazards: V, F, SW¹, MM²

Design and install outfalls with tide-flex valves along the Puyallup and Carbon Rivers to prevent river water from flowing into the city and maintain fish habitat.

9. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Preserve or Restore Natural Resources.
10. **Cost of Measure** = \$250,000 each (need 3) or a total of \$750,000
11. **Funding Source and Situation** = Funding could be obtained through Storm Impact Fee for match, or state and federal grants.
12. **Lead Jurisdiction(s)** = City of Orting – Public Works/Building Dept.
13. **Timeline** = Long-Term
14. **Benefit** = Entire city and population, reduces impact of flooding. Levee system benefit in relieving pressure.
15. **Life of Measure** = 20 years
16. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Public Education Mitigation Measures

Continue Lahar Evacuation Drills

Hazards: V¹

On average the Orting Region citizens have about 40 minutes to evacuate from a lahar originating from Mt. Rainier. This measure will improve on current school and neighborhood evacuation drills.

1. **Goal(s) Addressed** = Protect Life and Property; Establish and Strengthen Partnerships for Implementation; Increase Public Preparedness for Disasters.
2. **Cost of Measure** = \$2,000 per exercise
3. **Funding Source and Situation** = Funding could be obtained through City funds and state/federal grants.
4. **Lead Jurisdiction(s)** = City of Orting and Orting School District
5. **Timeline** = Ongoing
6. **Benefit** = City of Orting schools and Neighborhoods
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal would be somewhat controversial.

Public Education – Implement Community Emergency Response Team

Hazards: E, L, D, F, SW, WUI¹

This measure will have the City partner with Pierce County to establish volunteer Emergency Response Teams in Orting.

The Community Emergency Response Team (CERT) Program educates people about disaster preparedness for hazards that may impact their area and trains them in basic disaster response skills, such as **fire safety**, light search and rescue, utility safety, team organization, and disaster medical operations. Using the training learned in the classroom and during exercises, CERT members can assist others in their neighborhood or workplace following an event when professional responders are not immediately available to help. CERT members also are encouraged to support emergency response agencies by taking a more active role in emergency preparedness projects in their community.

1. **Goal(s) Addressed** = Protect Life and Property; Establish and Strengthen Partnerships for Implementation; Increase Public Preparedness for Disasters.
2. **Cost of Measure** = \$5,500 annually
3. **Funding Source and Situation** = Funding could be obtained through local budgets or grants.
4. **Lead Jurisdiction(s)** = City of Orting - Administration
5. **Timeline** = Ongoing
6. **Benefit** = PC NET neighborhoods, City of Orting
7. **Life of Measure** = Varies
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Mitigation Measure Monitoring

In comparison to the last update, the City of Orting has 2 completed mitigation measures, 3 new mitigation measures, 2 dropped and 3 removed mitigation measures. The City of Orting is continuing the rest of the mitigation measures as seen below in the table.

Mitigation Measure	New	Continuing	Accomplished	Removed from update (if applicable)
Existing Mitigation Actions (<i>All</i>)		X		
Plan Maintenance (<i>All</i>)		X		
Pierce County Hazard Mitigation Forum (<i>E,L,V,D,F,WUI,SW,MM</i>)		X		
Capability Identification and Evaluation (<i>E,L,V,D,F,WUI,SW,MM</i>)		X		
Puyallup River Set Back Levee Improvement (<i>E,V,F</i>)			X	
Implementation of Orting Emergency Evacuation Bridge (<i>V, F</i>)		X		
Improve Effectiveness Of Current Evacuation Plans and Support Improved Science of Mt. Rainier	X			
Carbon River Levee Improvement (<i>E, V,F</i>)		X		
Sealing Manhole Covers in City of Orting (<i>F,SW,MM</i>)		X		
Purchase and install manholes with special tide-flex valves (<i>V,F,SW,MM</i>)		X		
Restore Detention Capacity Along the Puyallup River			X	
Expand Open Space In Residential Conservation Zone by Rivers		X		
Identify A Comprehensive List of				X

Sabo Projects				
Identify, Design, and Build Evacuation Bridges over Carbon River and Puyallup				X
Identify and Establish Community Warming/Cooling Center for Severe Weather		X		
Modify the City's Multi-Purpose Center to become a Community Warming/Cooling Center for Severe Weather (E, V, F, SW)		X		
Enhance First Responder Mobility (E, L, V, F, WUI, MM)		X		
Install Public Address Systems in Police Vehicles (E, L, V, D, F, SW, WUI, MM)		X		
Purchase Aerial device				X
Purchase Fire Medic Unit				X
City Infrastructure-Structural Retrofit Program (E, SW)		X		
Purchase Vacuum Truck (F, SW, MM)				X
Continue Support of the CRS Program (F, SW)		X		
National Flood Insurance Program (F)		X		
Continue Lahar Evacuation Drills (V)		X		
River Outfalls with Tide-Flex Valves		X		
Public Education - PC NET (E, L, D, F, SW, WUI)		X		

Endnotes

¹ Hazard Codes:

Where necessary, the specific hazards addressed are noted as follows:

A:	Avalanche
E:	Earthquake
F:	Flood
D:	Drought
T:	Tsunami
V(L OR T):	Volcanic (lahar or tephra-specific)
SW:	Severe Storm (wind-specific)
L:	Landslide
WUI:	Wildland/Urban Interface Fire
MM:	Manmade to include terrorism
ALL:	All hazards, including some man made. Where only natural hazards are addressed, it is noted.

² While this Plan is strictly a *Natural* hazard mitigation plan, where a measure stems from a facility recommendation (Infrastructure Section) that deals specifically with terrorism, the mitigation strategy will use that analysis. Other measures, such as those that deal with multi-hazard community preparedness or recovery planning, mitigate man-made hazards and are noted as such. It is not the intent of this notation to imply that all measures were analyzed with regards to man-made hazards or that measures were identified with that in mind. Rather, the notation merely illustrates the potential on this template for the inclusion of man-made hazard analysis.

SECTION 6

**REGION 5 ALL HAZARD MITIGATION PLAN
20145-2020 EDITION
CITY OF ORTING
INFRASTRUCTURE SECTION**

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The **Infrastructure** for the **City of Orting** is displayed in following tables and graphics:

- **Table 6-1 Infrastructure Summary**
- **Table 6-2 Infrastructure Category Summary**
- **Table 6-3 Infrastructure Vulnerability – Dependency Summary**
- **Table 6-4 Infrastructure Vulnerability – Hazard Summary**
- **Table 6-5 Infrastructure Dependency Matrix**
- **Table 6-6 Infrastructure Table**

The tables and graphics show the overview of infrastructure owned by the City of Orting. The infrastructure is categorized according to the infrastructure sectors as designated by the Department of Homeland Security. These tables are intended as a summary only. For further details on Department of Homeland Security infrastructure sectors, please see the Process Section 1.

Table 6-1 Infrastructure Summary

INFRASTRUCTURE SUMMARY¹	
TOTAL INFRASTRUCTURE (#)	23
TOTAL VALUE (\$)	\$26,552,074

Table 6-2 Infrastructure Category Summary

INFRASTRUCTURE CATEGORY SUMMARY²	
EMERGENCY SERVICES	2
TELECOMMUNICATIONS	0
TRANSPORTATION	0
WATER	18
ENERGY	0
GOVERNMENT	3
COMMERCIAL	0

Table 6-3 Infrastructure Vulnerability – Dependency Summary

DEPENDENCE	# DEPENDENT ON SERVICE	%
RELIANCE ON EMERGENCY SERVICES	3 of 23	13%
RELIANCE ON POWER	2 of 23	8.7%
RELIANCE ON SEWER	4 of 23	17.3%
RELIANCE ON TELECOMMUNICATION	1 of 23	4.3%
RELIANCE ON TRANSPORTATION	2 of 23	8.7%
RELIANCE ON WATER	2 of 23	8.7%

Table 6-4 Infrastructure Vulnerability – Hazard Summary

HAZARD	# IN HAZARD ZONE	%
DROUGHT	20 of 23	86.9%
EARTHQUAKE	23 of 23	100%
FLOOD	1 of 23	4.3%
LANDSLIDE	0 of 23	0%
VOLCANIC	23 of 23	100%
WEATHER	23 of 23	100%
WILDLAND/URBAN FIRE	1 of 23	4.3%

Table 6-5 Infrastructure Dependency Matrix

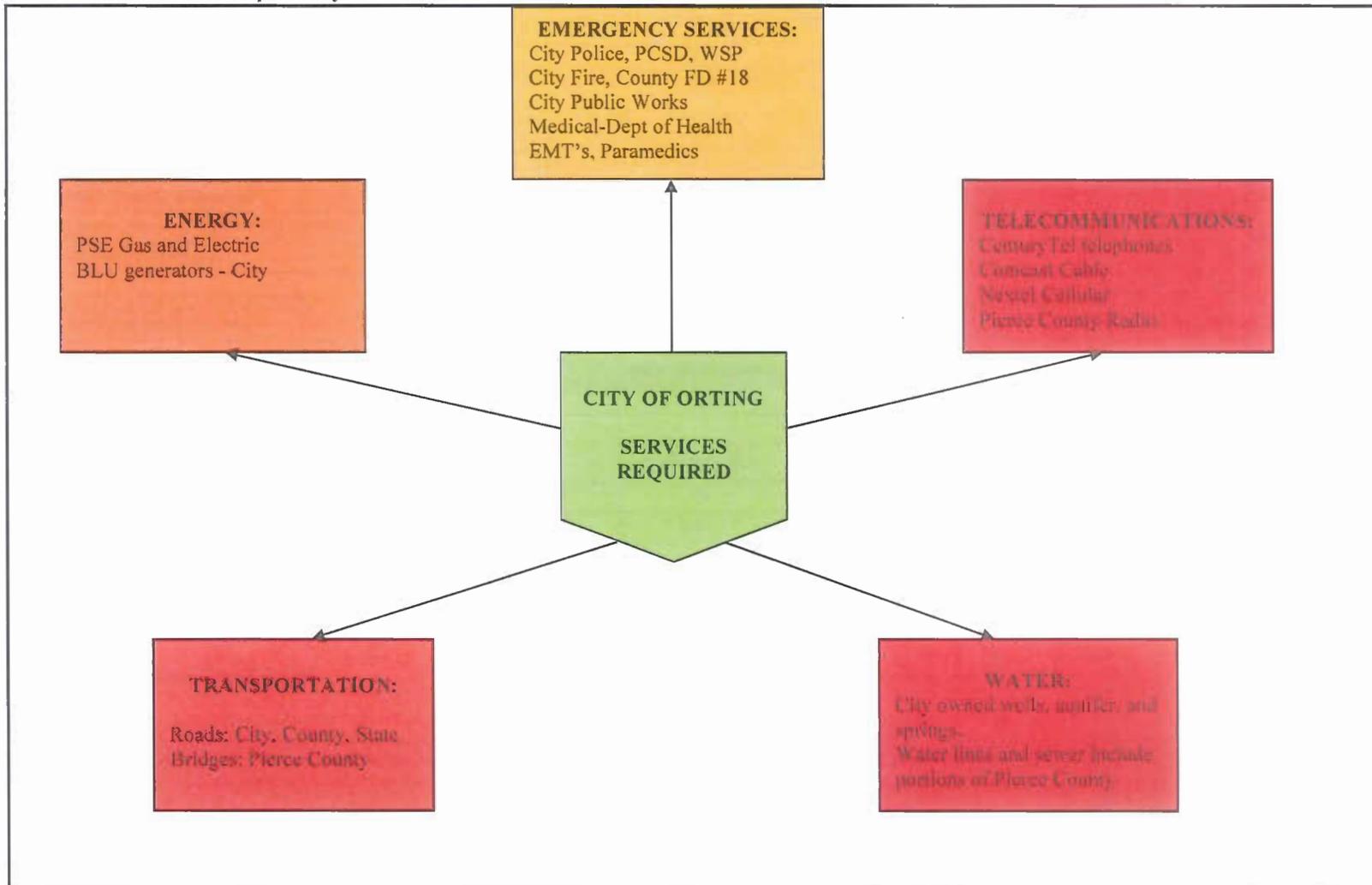


Table 6-6 Infrastructure Table

INFRASTRUCTURE ³	BUILT ⁴	FLOORS	UPGRADES ⁵	VALUE	OCCUPANCY	HAZARD							RELIANCE							
						AVAILANCHE	DROUGHT	EARTHQUAKE	WIL FIRE	FLOOD	LANDSLIDE	TSUNAMI	VOLCANIC	WEATHER	EMERGENCY	POWER	SEWER	TELECOMM	TRANSPORT	WATER
Well # 3 Drinking water supply/storage (C,AP,9)	2006	1	no	\$900,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Rivers Edge/Sanitary Sewer Lift Station (AP,9)	2003	1	no	\$900,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Village Green Sanitary Sewer Lift (9)	1995	1	no	\$840,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
City Water Distribution System (C,AP,9)	1950	N/A	yearly	\$15,840	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
City Well #1 Drinking (C,AP,9)						0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
City Storm Conveyance System (AP,9)	1950	N/A	yearly	\$6,336,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Village Green Stormwater Site (C,AP,9)	1997	N/A	no	\$450,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Orting Wastewater Treatment Plant (C,AP,9)	1999	1	2006-new tank	\$5,100,000		0	1	1	0	0	0	0	3	1	0	0	1	0	1	0
Treatment Lab (AP,9)						0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
3 Sheds on WWTP site (AP,9)						0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Harman Springs Drinking Water Supply (C,AP,9)	1915	N/A	2004-pump station & reservoir	\$610,000	N/A	0	1	1	1	0	0	0	3	1	0	0	0	0	0	0
City Hall & Fire Station (C,AP)	1940	2	1973 expanded	\$546,000	16--3	0	0	2	0	0	0	0	3	1	2	0	1	1	2	1
Public Safety Building, Police and Fire (C,9)	2007	1		\$ 3,000,000	N/A	0	0	1	0	0	0	0	3	1	1	1	1	0	0	1
Sewer System Pipes (C,9)		N/A	yes	\$8,440,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Village Green Storm Lift Station/Ponds (9)	1995	N/A	no	\$320,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Whitehawk Storm Pond #1 (9)	1994	N/A	no	\$200,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Whitehawk Storm Pond #2 (9)	1992	N/A	no	\$100,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Multipurpose Center and Library (C,9,S)	1982	1	no	\$621,127	148	0	0	2	0	1	0	0	3	1	2	2	2	0	0	0
Wingate Drinking Water Supply and Stor Booster Pump Station (C,9)	1943-Stor 1990-Pump	1	yes	\$305,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
City Shop (C,9)	1988	1	no	\$168,107		0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
High Cedars Lift Station-#2 (9)	1979	1	no	\$300,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0
Carbon River Landing Storm Ponds (2) (9)	2005	N/A	no	\$400,000	N/A	0	1	1	0	0	0	0	3	1	0	0	0	0	0	0

INFRASTRUCTURE ³	BUILT ⁴	FLOORS	UPGRADES ⁵	VALUE	OCCUPANCY	HAZARD							RELIANCE						
						WUI FIRE	FLOOD	LANDSLIDE	TSUNAMI	VOLCANIC	WEATHER	EMERGENCY	POWER	SEWER	TELECOMM	TRANSPORT	WATER		
Emergency First Aid Building (C,9)						0	1	1	0	0	0	0	3	1	0	0	0	0	0
North end Reservoir, pump Station, well 4 (C, AP)	2011	1		\$5,500,000	150	0	0	1	0	0	0	0	1	1	1	1	0	0	1

Table 6-7 Infrastructure Table Key – Hazard Ratings

HAZARD CATEGORY	RATING	SELECTION FACTOR OR DESCRIPTION
Avalanche	0	The infrastructure is not located in a known avalanche prone area.
	1	The infrastructure is in an avalanche prone area but has no prior history of avalanche damage.
	2	The infrastructure is in an avalanche prone area and has experienced some limited avalanche damage in the past.
Drought	3	The infrastructure is in an avalanche prone area and has experienced significant avalanche damage.
	0	The infrastructure would not suffer any damage or operational disruption from a drought.
	1	The infrastructure could suffer some damage or minor operational disruption from a drought.
Flood	2	The infrastructure has suffered damages or significant operational disruption from past droughts.
	3	The infrastructure has suffered damages or significant disruption from past droughts which has had serious community economic or health consequences.
	0	The infrastructure is not located in a known flood plain or flood prone area.
	1	The infrastructure is in a flood plain or flood prone area but has no prior history of flood damage.
	2	The infrastructure is in a flood plain or flood prone area and has experienced some flood damage in the past.
	3	The infrastructure is in a flood plain or flood prone area and has experienced significant flood damage, or the property is an NFIP repetitive loss property.
Earthquake	0	The infrastructure is not located in an area considered to have any significant risk of earthquake
	1	The infrastructure is in an area considered as at risk to earthquakes but has no prior history of earthquake damage.
	2	The infrastructure is in an area considered as at risk to earthquakes, is located on soft soils, and has no history of damage OR In an area considered as at risk to earthquakes and has experienced some limited earthquake damage.
Landslide	3	The infrastructure is in an area considered as at risk to earthquakes, is located on soft soils and experienced significant earthquake damage.
	0	The infrastructure is not located in a known area considered vulnerable to landslides.
	1	The infrastructure is in area vulnerable to landslides but has no prior history of landslides.
	2	The infrastructure is in area vulnerable to landslides area and infrastructure has experienced some landslide damage.
	3	The infrastructure is in area vulnerable to landslides and infrastructure has experienced significant landslide damage.
	Major U/I Fire	0
1		The infrastructure meets the current code, is not close to heavily vegetated areas, but access and/or separation from nearby structures increase fire risk.
2		The infrastructure does not meet current fire code, is in or adjacent to large vegetated areas, and has inadequate access and/or separation from other structures.

HAZARD CATEGORY	RATING	SELECTION FACTOR OR DESCRIPTION
Severe Weather	3	The infrastructure does not meet the current code, is in or adjacent to vegetated areas, with access limitations or structure separation making fire suppression difficult.
	0	The infrastructure would not suffer any damage or operational disruption from severe weather.
	1	The infrastructure could suffer some damage or minor operational disruption from severe weather.
	2	The infrastructure has suffered damages or significant operational disruption from past severe weather.
	3	The infrastructure has suffered damages or significant disruption from past severe weather which has had serious community economic or health consequences.
Tsunami/or Seiche	0	The infrastructure is not located in or near a known area considered to be a tsunami or seiche inundation area.
	1	The infrastructure is located at the edge of a designated tsunami or seiche risk zone.
	2	The infrastructure is located just inside a designated tsunami or seiche risk zone, but has no prior damage.
	3	The infrastructure is located well inside a designated tsunami or seiche risk zone, and/or has experienced prior tsunami or seiche damage.
Volcanic	0	The infrastructure is not located in or near a known area with significant risk from volcanic hazards.
	1	The infrastructure is in or near an area that could receive some ashfall, but has no structural features, equipment or operations considered vulnerable to ash.
	2	The infrastructure is in or near an area where heavy ashfall or a debris flow could occur.
	3	The infrastructure is in an area known to have experienced heavy ashfall, debris flow or blast effects from past volcanic activity.

Table 6-8 Infrastructure Table Key – Dependency Ratings

EXTERNAL DEPENDENCY CATEGORY	RATING	SELECTION FACTOR OR DESCRIPTION
Emergency Services	0	The infrastructure can maintain essential functions without emergency services.
	0	The infrastructure has ability to independently provide emergency services to all essential functions of infrastructure.
	1	The infrastructure would have to <u>curtail</u> operations somewhat without emergency services with <u>no</u> direct economic/environmental/safety/health consequences.
	2	The infrastructure would have to <u>curtail</u> operations somewhat without emergency services with <u>some</u> direct economic/environmental/safety/health consequences. OR <u>stop</u> operations with <u>no</u> direct economic/environmental/safety/health consequences.
	3	The infrastructure would have to <u>stop</u> its operations without emergency services and <u>significant</u> economic/environmental/safety/health consequences will occur.
Power Outage	0	The infrastructure can maintain essential functions without electricity or gas supply.
	0	Infrastructure has ability to independently provide power to all essential functions of infrastructure.
	1	The infrastructure would have to <u>curtail</u> operations somewhat without gas or electrical supply, with <u>no</u> direct economic/environmental/safety/health consequences.
	2	The infrastructure would have to <u>curtail</u> operations somewhat without gas or electrical supply, with <u>some</u> direct economic/environmental/safety/health consequences. OR <u>stop</u> operations with <u>no</u> direct economic/environmental/safety/health consequences.
	3	The infrastructure would have to <u>stop</u> its operations without gas or electrical supply and <u>significant</u> economic/environmental/safety/health consequences will occur.
Sewer Out	0	The infrastructure can maintain essential functions without sewer service
	0	The infrastructure has ability to independently provide wastewater or septic service to support essential functions.
	1	The infrastructure would have to <u>curtail</u> operations somewhat without wastewater service, with <u>no</u> direct economic/environmental/safety/health consequences.
	2	The infrastructure would have to <u>curtail</u> operations somewhat without wastewater service, with <u>some</u> direct economic/environmental/safety/health consequences. OR <u>stop</u> operations with <u>no</u> direct economic/environmental/safety/health consequences.
	3	The infrastructure would have to <u>stop</u> its operations without wastewater service and <u>significant</u> economic/environmental/safety/health consequences will occur.
Telecomm Failure	0	The infrastructure can maintain essential functions without telecommunications.
	0	The infrastructure has ability to independently provide phone service or alternate/redundant communications systems to support essential functions.
	1	The infrastructure would have to <u>curtail</u> operations somewhat without telecommunication service, with <u>no</u> direct economic/environmental/safety/health consequences.
	2	The infrastructure would have to <u>curtail</u> operations somewhat without telecommunication service, with <u>some</u> direct economic/environmental/safety/health consequences. OR <u>stop</u> operations with <u>no</u> direct economic/environmental/safety/health consequences.
	3	The infrastructure would have to <u>stop</u> its operations without telecommunication service and <u>significant</u> economic/environmental/safety/health consequences will occur.
Transportation	0	The infrastructure can maintain essential functions without transportation routes.
	0	Infrastructure has ability to independently provide alternate transportation, in the absence of transportation routes, to ensure all essential functions.
	1	The infrastructure would have to <u>curtail</u> operations somewhat without transportation routes with <u>no</u> direct economic/environmental/safety/health consequences.
	2	The infrastructure would have to <u>curtail</u> operations somewhat without transportation routes with <u>some</u> direct economic/environmental/safety/health consequences. OR <u>stop</u> operations with <u>no</u> direct economic/environmental/safety/health consequences.

EXTERNAL DEPENDENCY CATEGORY	RATING	SELECTION FACTOR OR DESCRIPTION
	3	The infrastructure would have to <u>stop</u> its operations without transportation routes and <u>significant</u> economic/environmental/safety/health consequences will occur.
Water Supply	0 0 1 2 3	<p>The infrastructure can maintain essential functions without its water supply.</p> <p>The infrastructure has ability to independently provide water to support essential functions.</p> <p>The infrastructure would have to <u>curtail</u> operations somewhat without water supply, with <u>no</u> direct economic/environmental/safety/health consequences.</p> <p>The infrastructure would have to <u>curtail</u> operations somewhat without water supply, with <u>some</u> direct economic/environmental/safety/health consequences. OR <u>stop</u> operations with <u>no</u> direct economic/environmental/safety/health consequences.</p> <p>The infrastructure would have to <u>stop</u> its operations without its water supply and <u>significant</u> economic/environmental/safety/health consequences will occur.</p>

Endnotes

¹ This is a total of infrastructure and the approximate value provided by the jurisdiction. If no value, then value was not provided or not available.

² These are the Homeland Security Infrastructure Categories which were used in completing the Infrastructure Tables in the plan.

³ The following table explains the codes used in this column:

Code	Explanation
C	Infrastructure critical in first 72 hours after disaster
AP	Infrastructure has auxiliary or backup power
(#)	Homeland Security Infrastructure Category Number
S	Infrastructure is a designated community shelter

⁴ The “built” column refers to the year in which the original infrastructure was constructed.

⁵ This column addresses major remodels, upgrades or additions to the infrastructure in dollar amount and/or year of changes.

Section 7

Plan Maintenance Procedures Requirements

Monitoring, Evaluating, and Updating the Plan---Requirement §201.6(c)(4)(i):

[The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

- Does the new or updated plan describe the method and schedule for monitoring the plan, including the responsible department?
- Does the new or updated plan describe the method and schedule for evaluating the plan, including how, when and by whom (i.e. the responsible department)?
- Does the new or updated plan describe the method and schedule for updating the plan within the five-year cycle?

Incorporation into Existing Planning Mechanisms---Requirement §201.6(c)(4) (ii):

[The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate...

- Does the new or updated plan identify other local planning mechanisms available for incorporating the mitigation requirements of the mitigation plan?
- Does the new or updated plan include a process by which the local government will incorporate the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate?
- Does the updated plan explain how the local government incorporated the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate?

Continued Public Involvement---Requirement §201.6(c)(4) (iii):

[The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process.

- Does the new or updated plan explain how continued public participation will be obtained? (For example, will there be public notices, an on-going mitigation plan committee, or annual review meetings with stakeholders?)

SECTION 7

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING
PLAN MAINTENANCE SECTION**

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The planning process undertaken in the last two years is just the foundation of breaking the disaster cycle by planning for a disaster resistant City of Orting and Pierce County Region 5. This Section details the formal process that will ensure the City of Orting Hazard Mitigation Plan remains an active and relevant document. The Plan Maintenance Section includes a description of the documentation citing the Plan's formal adoption by the Administration. The Section also describes: the method and schedule of monitoring, evaluating, and updating within a five-year cycle; the process for incorporating the mitigation strategy into existing mechanisms; and, the process for integrating public participation throughout the plan maintenance. The Section serves as a guide for implementation of the hazard mitigation strategy.

Plan Adoption

Upon completion of the City of Orting Plan, it will be submitted to Washington State Emergency Management Division (EMD) for a Pre-Adoption Review. The EMD has 30 days to then take action on the Plan and forward it to the Federal Emergency Management Agency (FEMA) Region X for review. This review, which is allowed 45 days by law, will address the federal criteria outlined in FEMA Interim Final Rule 44 CFR Part 201.6. In completing this review there may be revisions requested by the EMD and/or FEMA. Revisions could include changes to background information, editorial comments, and the alteration of technical content. Pierce County Department of Emergency Management (PC DEM) will call a Planning Team Meeting to address any revisions needed and resubmit the changes.

The City of Orting Administration is responsible for the Cities adoption of the Plan after the Pre-Adoption Review is completed. Once the Administration adopts the Plan, the Program Coordinator of the Mitigation and Recovery Division of Emergency Management will be responsible for submitting it, with a copy of the resolution, to the State Hazard Mitigation Officer at the Washington State EMD. EMD will then take action on the Plan and forward it to the FEMA Region X for final approval. Upon approval by FEMA, the City will gain eligibility for both Hazard Mitigation Grant Program and Pre-Disaster Mitigation Grant Program funds.

Appendix A will list the dates and include a copy of the signed Resolution from the jurisdiction as well as a copy of the FEMA approval of the jurisdiction's Plan. In future updates of the Plan, Appendix C will be used to track changes and/or updates. This plan will have to be re-adopted and re-approved prior to the five year deadline of February 10, 2020.

Maintenance Strategy

The Cities maintenance strategy for implementation, monitoring, and evaluation provides a structure that encourages collaboration, information transference, and innovation. Through a multi-tiered implementation method, the City will provide its staff and students a highly localized approach to loss reduction while serving their needs through coordinated policies and programs. The method's emphasis on all levels of participation promotes public involvement and adaptability to changing risks and vulnerabilities. Finally, it will provide a

tangible link between staff, students and the various levels of government service, ranging from community action to the Department of Homeland Security. Through this strategy, the City will attempt to break the disaster cycle and achieve a more disaster resistant community.

Implementation

In order to ensure efficient and effective implementation, City of Orting will make use of its capabilities, infrastructure, and dedicated population. The City will implement its mitigation strategy over the next five years primarily through its annual budget process and varying grant application processes.

The Emergency Programs Office will work in conjunction with those organizations identified under each mitigation measure to initiate the overall mitigation strategy. Each department or office responsible for carrying out the measures will play a role in self-monitoring and evaluating achievement of measures and objectives. Because the City has no land use or regulatory authority, it must rely heavily on collaboration with neighboring jurisdictions. For example, for density-related issues the City will work with partners Pierce County, and the Hazard Mitigation Forum to implement recommendations into the existing Pierce County Comprehensive Plan. Other measures will be implemented through collaboration with the identified jurisdictions/departments listed under each measure's evaluation.

These efforts fall under a broader implementation strategy that represents a county-wide effort. This strategy must be adaptable to change while being consistent in its delivery.

The mitigation implementation strategy is a three-tiered method that emphasizes localized needs and vulnerabilities while addressing City and multi-jurisdictional policies and programs. The first tier is implementation through individual citizen level—existing public education programs in the City. For example, programs at the individual level through safety presentations and evacuation drills). The second is a City-wide mechanism for implementation comprised of City employees implementing strategies from the Emergency Programs Office, Construction Management Office, Facilities Management Office, and Computing & Telecommunications through an ambitious building construction and remodel plan. This perhaps offers the greatest opportunity to implement mitigation opportunities. The third tier is a more external and multi-jurisdictional mechanism, the Hazard Mitigation Forum (HMF).

This method ensures that implementation speaks to unique vulnerabilities at the most local level, allows for coordination among and between levels, and promotes collaboration and innovation. Further, it provides a structured system of monitoring implementation. Finally, it is a method that can adapt to the changing vulnerabilities of the City, the region, and the times. These three levels and their means of implementation and collaboration are described below.

Public Education Programs

At the individual citizen level, Public Education Programs provide the City with a localized mechanism for implementation. This approach to mitigation can adapt to the varying vulnerabilities and needs within a growing region. Public Education Programs are also a means for involving the public in mitigation policy development. Currently the City pursues a variety of mitigation-related programs that help students, staff and citizens to better prepare for and respond to disasters.

Jurisdiction-Wide: Emergency Programs Office

The Emergency Programs Office will coordinate the maintenance and implementation actions with those departments and offices that must carry out the mitigation measures. The Emergency Planning Team, consisting of departments or offices with emergency responsibilities will review the direction of the Plan's implementation. The Emergency Planning Team will ultimately provide a mechanism for coordination among those groups engaged in mitigation to ensure that a comprehensive and efficient approach be undertaken in the Cities efforts at all-hazards mitigation. The Emergency Planning Team will be coordinated by the Emergency Programs Office.

The Emergency Programs Office will be responsible for the overall review of the plan and will designate mitigation measures to those departments responsible for their implementation. The Emergency Planning Team will monitor and evaluate the plan's implementation throughout the year. Recommendations will be made to coincide with the normal budgeting processes and provide an ample time period for review and adoption of any necessary changes to the implementation schedule. Members of the Emergency Planning Team and President's Council sit on the budgeting and projects committees and can advance mitigation measures through these annual processes.

The plan will be updated every five years with coordination from the Emergency Programs Office, participation by the Emergency Planning Team and approval from the Administration.

Hazard Mitigation Forum

The PC Hazard Mitigation Forum (HMF) represents a broader and multi-jurisdictional approach to mitigation implementation. The PC HMF will be comprised of representatives from unincorporated Pierce County and all jurisdictions, partially or wholly, within its borders, that have undertaken mitigation planning efforts. The PC HMF will serve as coordinating body for projects of a multi-jurisdictional nature and will provide a mechanism to share successes and increase the cooperation necessary to break the disaster cycle and achieve a disaster resistant Pierce County. Members of the PC HMF will include the following jurisdictions who have completed, or who have begun the process of completing, DMA compliant plans:

- City of Bonney Lake
- City of DuPont
- City of Fife
- City of Gig Harbor
- City of Milton
- City of Roy
- City of Tacoma
- Town of Eatonville
- Town of Steilacoom
- Pierce County
- East Pierce Fire and Rescue
- Graham Fire and Rescue
- Orting Valley Fire and Rescue
- Pierce County Fire District 14
- Pierce County Fire District 27
- West Pierce Fire and Rescue
- Clover Park School District
- Eatonville School District
- Franklin Pierce School District
- Pacific Lutheran University
- Puyallup School District
- Sumner School District
- University Place School District
- Crystal River Ranch HOA
- Herron Island HOA
- Pierce Transit
- Raft Island HOA
- Taylor Bay Beach Club
- Firgrove Mutual Water Company
- Graham Hill Mutual Water Company
- Lakewood Water District
- Ohop Mutual Light Company
- Spanaway Water Company
- Tanner Electric
- Cascade Regional Blood Services
- Dynamic Partners
- Group Health
- MultiCare Health System
- 76 Jurisdictions in this effort
- City of Buckley
- City of Edgewood
- City of Firecrest
- City of Lakewood
- City of Orting
- City of Sumner
- Town of Carbonado
- Town of South Prairie
- Town of Wilkeson
- Central Pierce Fire and Rescue
- Gig Harbor Fire and Medic One
- Key Peninsula Fire Department
- Pierce County Fire District 13
- Pierce County Fire District 23
- South Pierce Fire and Rescue
- Carbonado School District
- Dieringer School District
- Fife School District
- Orting School District
- Peninsula School District
- Steilacoom School District
- Tacoma School District
- American Red Cross
- Crystal Village HOA
- Metropolitan Park District
- Port of Tacoma
- Riviera Community Club
- Clear Lake Water District
- Fruitland Mutual Water Company
- Lakeview Light and Power
- Mt. View-Edgewood Water Company
- Peninsula Light Company
- Summit Water and Supply Company
- Valley Water District
- Community Health Care
- Franciscan Health System
- Madigan Hospital
- Western State Hospital

PC HMF will meet annually in August and will be coordinated by PC DEM. The City will be an active participant in the PC HMF, and will be represented by the Emergency Programs

Manager. Only through this level of cooperation can these jurisdictions meet all of their mitigation goals.

Plan Evaluation and Update

It should be noted this planning process began in early 2012 following the then current CFR 201.6 Hazard Mitigation Planning Requirements. Based on new requirements in the Stafford Act, the City of Orting will evaluate and update the plan to incorporate these new requirements as necessary. Furthermore, if there are additional Stafford Act changes affecting CFR 201.6 in the coming years, the planning process will incorporate those as well.

The City of Orting Plan will guide the Cities mitigation efforts for the foreseeable future. City of Orting Representatives on the Planning Team has developed a method to ensure that regular review and update of the Plan occur within a five year cycle.

PC DEM will collaborate with the Emergency Programs Office and the PC HMF to help monitor and evaluate the mitigation strategy implementation. PC DEM will track this implementation through Pierce County's GIS database. Findings will be presented and discussed at the annual meeting.

The Emergency Programs Office will coordinate reporting of the Plan's implementation to the Emergency Planning Team which meets at least twice each year. Minutes of these meetings will be prepared and will include:

- Updates on implementation throughout the City;
- Updates on the PC HMF and mitigation activities undertaken by neighboring jurisdictions;
- Changes or anticipated changes in hazard risk and vulnerability at the City, county, regional, State, FEMA and Homeland Security levels;
- Problems encountered or success stories;
- Any technical or scientific advances that may alter, make easier, or create measures.

The Emergency Programs Office will decide on updates to the strategy based on the above information and a discussion of:

- The various resources available through budgetary means as well as any relevant grants;
- The current and expected political environment and public opinion;
- Meeting the mitigation goals with regards to changing conditions.

PC DEM will work with the Emergency Programs Office or the City to review the Risk Assessment Section to determine if the current assessment should be updated or modified based on new information. This will be done during the regularly scheduled reviews of the regional partners' Hazard Identification and Vulnerability Analyses and their Comprehensive Emergency Management Plans.

Additional reviews of this Plan will be required following disaster events and will not substitute for the annual meeting. Within ninety days following a significant disaster or an emergency event impacting the City, the Emergency Programs Office will provide an assessment that captures any “success stories” and/or “lessons learned.” The assessment will detail direct and indirect damages to the City and its critical facilities, response and recovery costs, as part of the standard recovery procedures that use EMD Forms 129, 130, and 140. This process will help determine any new mitigation initiatives that should be incorporated into the Plan to avoid or reduce similar losses due to future hazard events. In this manner, recovery efforts and data will be used to analyze mitigation activities and spawn the development of new measures that better address any changed vulnerabilities or capabilities. Any updates to the Plan will be addressed at the ensuing regularly scheduled City Council Meeting.

As per 44 CFR 201.6, the City of Orting must re-submit the Plan to the State and FEMA with any updates every five years. This process will be coordinated by PC DEM through the Pierce County Hazard Mitigation Forum. In 2020 and every five years following at the Hazard Mitigation Forum, City of Orting and the Emergency Programs Office will submit the updated plan to PC DEM. PC DEM’s Mitigation and Recovery Program Coordinator will collect updates from the Region 5 Plan jurisdictions and submit them to the State EMD and FEMA.

Continued Public Involvement

City of Orting is dedicated to continued public involvement and education in review and updates of the Plan. The City will retain copies of the Plan and will post it on the City of Orting website.¹ Announcements regarding the Plan’s adoption and the annual updates to the Plan will be advertised on the City of Orting website.

The three-tiered implementation method provides an opportunity for continuous public involvement. Public Education campaigns are a means of informing the public on updates and implementation activities. Further, prior to submitting the Plan to WA EMD and FEMA for the five year review, the Emergency Programs Office and the Emergency Management Team will hold public information and comment meeting. These meetings will be advertised in the City through a variety of media, including the City webpage Continued Public Involvement

The City of Orting is dedicated to continued public involvement and education in review and updates of this plan. The City of Orting Emergency Management Department and the Planning Department will retain copies of the plan and will make it available to the public.

Prior to submitting the plan to WA EMD and FEMA for the five-year review, the City of Orting will hold public information and comment meeting. This meeting will provide citizens a forum during which they can express their concerns, opinions, or ideas about the City of Orting Hazard Mitigation Plan. This meeting will be advertised by the City through a variety

of media, including the local newspaper and our City Town Topics and a posting on the website.

The City of Orting will conduct a review on a yearly basis to ensure all elements of the mitigation plan are updated and accurate. Each of the 76 jurisdictions has been tasked with having to provide documentation on public involvement including a brief description for each public hearing held, a summary on attendance, any feedback received from the public and the an overall description of what was accomplished. Even further, the City of Orting will provide proof of their attempts for public involvement such as screenshots of websites including date ranges, flyers and other relevant material documenting the public involvement process. Lastly, the City of Orting will look for new innovative ways for public involvement.

Endnotes

¹<http://www.cityoforting.org>

APPENDIX A

REGION 5 ALL HAZARD MITIGATION PLAN 2015-2020 EDITION CITY OF ORTING

Plan Adoption

The "*Region 5 Hazard Mitigation Plan*" was adopted by the City of Orting's City Council on March 5, 2015 by resolution number 03.15-15. The following page shows a copy of that resolution.

ORTING SCHOOL DISTRICT #344

RESOLUTION NO. 03.14-15

A Resolution of the Board of Directors of the Orting School District adopting the Region 5 All Hazard Mitigation Plan – 2015-2020 Edition and the Orting School District Addendum to the Region 5 Hazard Mitigation Plan; and Updating the 2004 Pierce County Natural Hazard Mitigation Plan.

WHEREAS, the Federal Disaster Mitigation Act of 2000 requires that for all disasters declared on or after November 1, 2004, applicants for sub-grants following any disaster must have an approved Natural Hazard Mitigation Plan in accordance with 44CFR 201.6 prior to receipt of Hazard Mitigation Grant Program project funding; and

WHEREAS, the Federal Disaster Mitigation Act of 2000 requires that for Pre-Disaster Mitigation grant program project funding on or after November 1, 2003, applicants must have an approved Natural Hazard Mitigation Plan in accordance with 44CFR 201.6 prior to receipt of project funding; and

WHEREAS, the All Hazard Mitigation Plan Update represents the commitment of the Orting School District along with other surrounding government entities to reduce the risks from natural, man-made and technological hazards, serving as a guide for decision makers as they commit resources to reducing the affects of hazards, and it is in the public interest to proceed with the planning process in a timely manner; and

WHEREAS, The Orting School District has participated with the Pierce County Department of Emergency Management in the development of the District's All Hazard Mitigation Plan Update, and recognizes the economic loss, personal injury, and damage that can arise from these hazards; and

WHEREAS, adoption of this plan obligates the District to make improvements in facilities that mitigate identified hazards within a reasonable timeframe and these improvements will increase safety for students, staff, and others who utilize district facilities; and

WHEREAS, reduction of these impacts can be achieved through a comprehensive coordinated planning process which includes an updated risk assessment that provides the factual basis for activities proposed in the mitigation strategies to reduce losses and vulnerabilities, a five-year cycle for plan maintenance, and documentation of formal adoption by the Orting School District; and

WHEREAS, the 2015-2020 Region 5 All Hazard Mitigation Plan Edition has been completed and approved by the State of Washington and preliminarily approved by the Federal Emergency Management Agency; and

WHEREAS, Board adoption will allow the final approval of the Orting School District All Hazard Mitigation Plan by the Federal Emergency Management Agency, and final approval of the plan will qualify the District for future disaster relief funding from the federal government;

ORTING SCHOOL DISTRICT #344

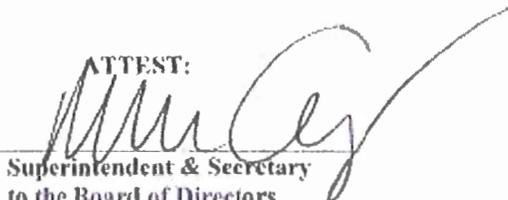
NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Orting School District, Pierce County, Washington,

Section 1. The Region 5 Hazard Mitigation Plan, 2015-2020 Edition, is hereby adopted as set forth in Exhibit A, which is attached

Section 2. The Orting School District Addendum to the Region 5 Hazard Mitigation Plan, an update to the Orting School District Natural Hazard Mitigation Plan is hereby adopted and shall be in full force and effect upon passage and signatures hereon

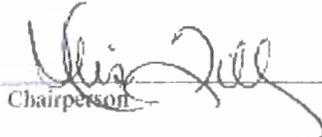
ADOPTED by the Board of Directors this 5th day of March, 2015, in regular, open session.

ATTEST:



Superintendent & Secretary
to the Board of Directors

BOARD OF DIRECTORS



Chairperson

Director



Director

Director



Director

The plan was reviewed and approved as follows:

AGENCY	REPRESENTATIVE	DATE
Washington State Military Dept., Emergency Management Division	Tim Cook Hazard Mitigation Programs Manager	Approved—
FEMA Region X	Tamra Biasco Chief, Risk Analysis Branch Mitigation Division	Approved— February 2, 2015

FEMA Pre-Adoption Review and Letter of approval follows below.

U.S. Department of Homeland Security
FEMA Region X
Federal Regional Center
110 228th Street, SW
Bothell, WA 98021-8627



FEMA

February 7, 2015

Mr. Tim Cook
Hazard Mitigation Programs Manager
Washington State Emergency Management Division
Building 20, MS FA-20
Camp Murray, Washington 98130 5122

Dear Mr. Cook,

As requested, the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) has completed a pre-adoption review of the *Region 5 Hazard Mitigation Plan*. The plan successfully contains the required criteria, excluding the adoption, for hazard mitigation plans, as outlined in 44 CFR Part 201. This letter serves as Region 10's commitment to approve the plan upon receiving documentation of its adoption by the participating jurisdictions.

The plan will not be formally approved by FEMA until it is adopted. Each jurisdiction is not eligible for mitigation project grants until the plan is formally approved by FEMA.

Please contact our Regional Mitigation Planning Manager, Kristen Meyers, at (425) 487 4543 with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Tanna Biasco".

Tanna Biasco
Chief, Risk Analysis Branch
Mitigation Division

KM:bb

www.fema.gov

APPENDIX A

REGION 5 HAZARD MITIGATION PLAN 2008-2013 EDITION CITY OF ORTING

Plan Adoption

The "*Region 5 Hazard Mitigation Plan*" was adopted by the City of Orting's City Council on October 8, 2008 by resolution number 2008-18. The following page shows a copy of that resolution.

**CITY OF ORTING
WASHINGTON**

RESOLUTION NO. 2008-18

**A RESOLUTION OF THE CITY OF ORTING, WASHINGTON,
ADOPTING A NATURAL HAZARD MITIGATION PLAN FOR
THE CITY**

WHEREAS, the City of Orting has participated with the Pierce County Department of Emergency Management and 48 other local jurisdictions in the development of the City of Orting Natural Hazard Mitigation Plan; and

WHEREAS, the Federal Emergency Management Agency (FEMA) has mandated that all local and state governmental entities develop and submit for approval a Natural Hazard Mitigation Plan to address pre-disaster planning issues; and

WHEREAS, the Natural Hazard Mitigation Plan is completed and ready for adoption by the City of Orting; and

WHEREAS, the Natural Hazard Mitigation Plan has been submitted and approved by the State and FEMA;

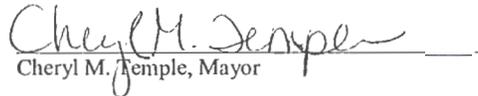
NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ORTING,
WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City of Orting hereby adopts the, "Natural Hazard Mitigation Plan."

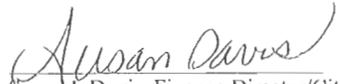
Section 2. The Mayor is authorized to pursue available funding opportunities to implement mitigation initiatives designated by the plan.

PASSED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE 8th
DAY OF OCTOBER, 2008.

CITY OF ORTING


Cheryl M. Temple, Mayor

ATTEST/AUTHENTICATED:



Susan J. Davis, Finance Director/City Clerk

Approved as to form:



Chris Bacha,
Kenyon Discend, PLLC
City Attorney

Filed with the City Clerk: 10/8/08
Passed by the City Council: 10/8/08
Resolution No.: 2008-18
Date Posted: 10/2/08

The plan was reviewed and approved as follows:

AGENCY	REPRESENTATIVE	DATE
FEMA Region X	Mark Carey Mitigation Division Director	Approved—November 24, 2008

Letter of approval follows below.



FEMA

January 30, 2009

Mr. Steven C. Bailey, Director
 Pierce County Department of Emergency Management
 2501 South 35th Street
 Tacoma, Washington 98409-7405

Dear Mr. Bailey:

On November 28, 2008, the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) approved the *Region 5 Hazard Mitigation Plan* as a multi-jurisdictional local plan as outlined in 44 CFR Part 201. With approval of this plan, the following entities are now eligible to apply for the Robert T. Stafford Disaster Relief and Emergency Assistance Act's hazard mitigation project grants through November 28, 2013:

Cities and Towns:	Fire Districts:	School Districts:	Utilities:
City of Buckley	Lakewood Fire Department (PCFD #2)	Carbonado SD	Clear Lake Water District
City of Dupont	<i>Gig Harbor Fire & Medicine (PCFD #5)</i>	Dieringer SD	<i>Fruitland Mutual Water Company</i>
City of Edgewood	<i>Central Pierce Fire & Rescue (PCFD #6)</i>	<i>Eatonville SD</i>	<i>Graham Hill Mutual Water Company</i>
City of Fife	PCFD #8	Fife SD	<i>Lakeview Light and Power</i>
City of Fircrest	PCFD #13	<i>Franklin Pierce SD</i>	Lakewood Water District
City of Gig Harbor	<i>South Pierce Fire & Rescue (PCFD #15)</i>	<i>Orting SD</i>	Mt. View-Edgewood Water Company
City of Orting	<i>Key Peninsula Fire Department (PDFD #16)</i>	<i>Peninsula SD</i>	<i>Port of Tacoma</i>
Town of Eatonville	<i>Graham Fire and Rescue (PCFD #21)</i>	<i>University Place SD</i>	<i>Summit Water and Supply Company</i>
Town of South Prairie	PCFD #23	<i>White River SD</i>	
Town of Wilkeson		<i>Pacific Lutheran University</i>	

The list of approved jurisdictions has been updated to include the jurisdictions in italics above, which have recently adopted the Region 5 Hazard Mitigation Plan. To continue eligibility, the plan must be reviewed, revised as appropriate, and resubmitted within five years of the original approval date.

Mr. Steven C. Bailey, Director
January 30, 2009
Page 2

If you have questions regarding your plan's approval or FEMA's mitigation grant program, please contact our State counterpart, Washington Emergency Management Division, which coordinates and administers these efforts for local entities.

Sincerely,



Mark Carey, Director
Mitigation Division

cc: Mark Stewart, Washington Emergency Management Division

KM:bb

APPENDIX B

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING**

Region 5 Hazard Mitigation Planning Team

City of Orting

NAME	TITLE	JURISDICTION-DEPARTMENT
Mark Bethune	City Manager	City of Orting - Administration

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APPENDIX C

**REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING**

Plan Revisions

RECORD OF CHANGES			
Change Number	Description of Change (with page numbers)	Date	Authorized by:

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APPENDIX D

REGION 5 ALL HAZARD MITIGATION PLAN
2015-2020 EDITION
CITY OF ORTING HAZUS RISK ASSESSMENT
FLOOD AND EARTHQUAKE SCENARIO

HAZUS-MH

Hazus is a regional multi-hazard loss estimation model that was developed by the Federal Emergency Management Agency (FEMA) and the National Institute of Building Sciences (NIBS). The primary purpose to the Hazus is to provide a methodology and software application to develop multi-hazard losses at a regional scale. These loss estimates would be used primarily by local, state and regional officials to plan and stimulate efforts to reduce risks from multi-hazards and to prepare for emergency response and recovery.

Appendix D contains the loss estimation maps for all 18 City and Town groups within the Region 5 Mitigation Plan for earthquake for their essential facilities and flood modeling for the City of Fife, the City of Orting and the City of Sumner. Hazus has the capability to model a wide variety of loss estimates and this Appendix does not cover all of Hazus modeling capabilities. Further loss estimation will be incorporated into future updates of the mitigation plans.

Hazus-MH Flood

The spatial results from the Hazus Flood Scenario maps are included. These Hazus flood maps are based on a 0.1% chance of a flood event occurring on the Puyallup River. The study region included all of Pierce County but Flood Spatial Analysis outcomes focused specifically on the City of Fife, City of Orting and the City of Sumner. The results from this Flood Scenario will be discussed in this section of the plan as opposed to the Risk Section as this time. With future updates of the jurisdictional mitigation plans and further flood analysis the methodology will be discussed within the Risk Section of the Region 5 Base Plan.

As a disclaimer for the data below, the *Totals* only reflect data for those census tracts/blocks included within the Pierce County study region. The estimates of social and economic impacts contained within the below report were produced using Hazus loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results below and the actual social and economic losses following a specific Flood.

General Description of Region for Analysis

The flood loss estimates provided were first based on Pierce County and then brought down to a jurisdictional level for the City of Fife, City of Orting and the City of Sumner. The total geographical size of the study region is 1,640 square miles and contains 11,683 census blocks. Hazus estimates losses based on census tracts/blocks and further analysis using *User Defined*

Facilities can be incorporated into the model for a detailed building specific study. For this report the analysis was kept on a census block level and the estimate totals were aggregated based on the census blocks. The maps depict the total estimate amounts per census block. The region contains over 292 thousand households and has a total population of 795,147 people (2010 Census bureau data).

There are an estimated 255,988 buildings in the region with a total building replacement value (excluding contents) of 45,413 million dollars. Approximately 95.46% of the buildings (and 75.72% of the building value) are associated with residential housing.

General Building Stock

Hazus estimates that there are 255,988 buildings in the Pierce County region which have an aggregate total replacement value of 45,413 million (2013 dollars). Table 1 and Table 2 present the relative distribution of the value with respect to the general occupancies by Pierce County and the Scenario based on the probability of a 0.1% chance of flooding on the Puyallup River.

Table 1: Building Exposure by Occupancy Type for Pierce County

Occupancy	Exposure (\$1000)	Percent of Total
Residential	34,384,947	75.70%
Commercial	6,667,405	14.7%
Industrial	521,117	1.10%
Agricultural	59,762	0.10%
Religion	500,163	1.10%
Government	1,223,025	2.70%
Education	2,056,956	4.50%
Total	45,413,375	100.00%

Table 2: Building Exposure by Occupancy Type for the Puyallup River 0.1% Scenario Flood Event

Occupancy	Exposure (\$1000)	Percent of Total
Residential	1,865,321	57.1%
Commercial	844,508	25.8%
Industrial	215,651	6.60%
Agricultural	10,053	0.30%
Religion	25,355	0.80%
Government	140,212	4.30%
Education	166,297	5.10%
Total	3,267,397	100.00%

Essential Facility Inventory

For essential facilities, there are 7 hospitals in the region with a total bed capacity of 1,990 beds. There are 299 schools, 47 fire stations, 28 police stations.

Flood Scenario Parameters

To define the flood loss estimate for this scenario, Hazus used a 100 Year Return Period. Future analysis will include a 500 Year Return Period and a possible 10 Year Return Period for compared analysis. The depth grid used to generate this analysis included a 1/3 Arc Second DEM from USGS and the reaches were built using a 2.0 square miles search radius.

Building Damage

Hazus estimates that about 4,692 buildings will be at least moderately damaged. This is over 82% of the total number of buildings in the scenario. There are an estimated 245 building that will be completely destroyed.

Essential Facility Damage

Before the flood analyzed in this scenario, the region had 1,900 hospital beds available for use. On the day of the scenario flood event, the model estimates that 1,900 hospital beds are available in the region. The table below describes the potential damages.

Table 3: Expected Damage to Essential Facilities

Classification	Total	# Facilities		
		At Least Moderated	At Least Substantial	Loss of Use
Fire Stations	47	5	0	4
Hospitals	7	0	0	0
Police Stations	28	3	0	3
Schools	299	12	0	12

Table 4: Expected Damage to the City of Orting Essential Facilities

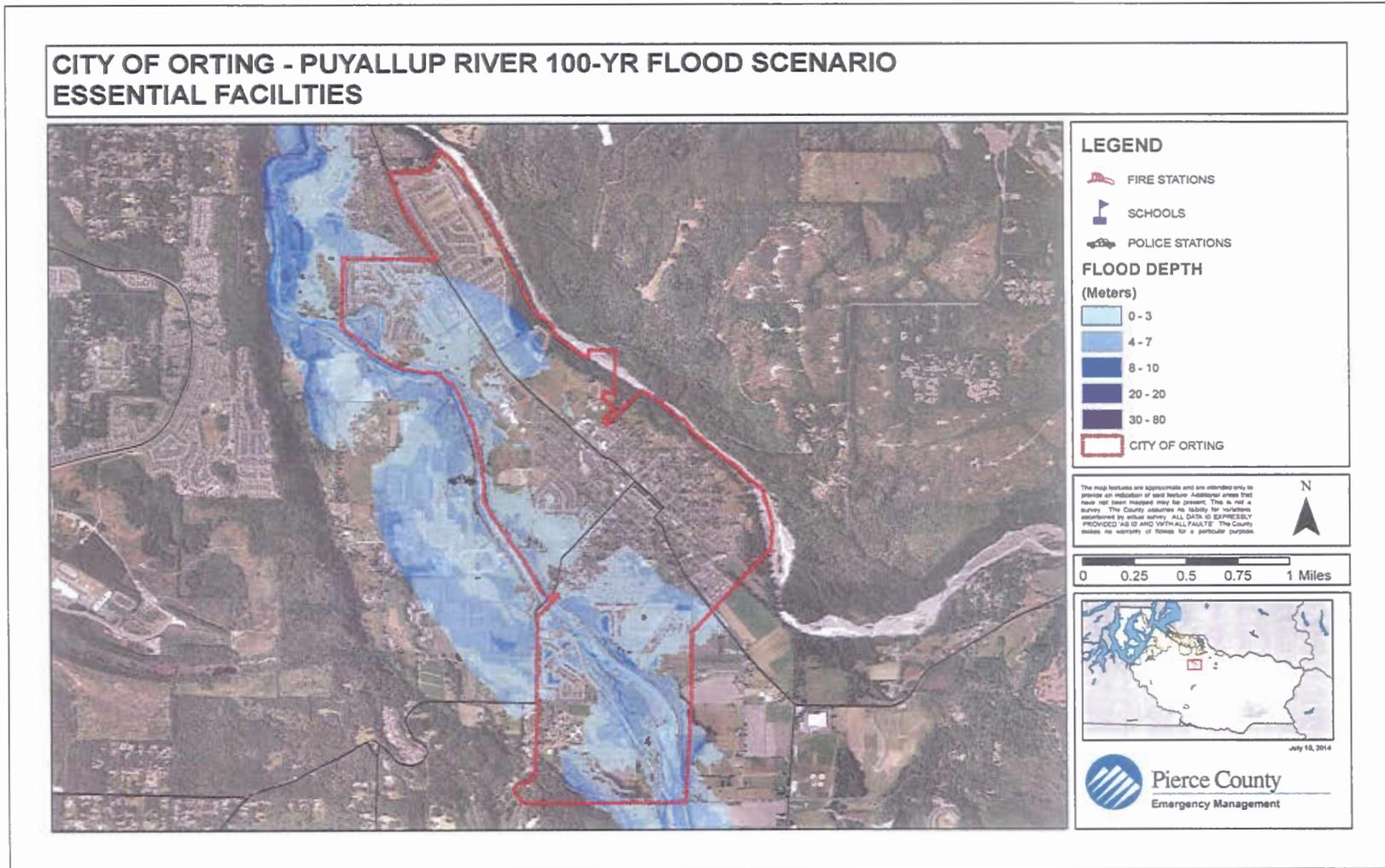
	Number of Critical Facilities Exposure in the 0.1% Annual Chance Floodplain		
	Total Building Inventory within Pierce County	Building Exposure in the 0.0% Annual Chance Floodplain	City of Orting's Building Exposure in the 0.1% Annual Chance Floodplain
Fire Stations	47	4	0
Hospitals	7	0	0
Police Stations	28	3	0
Schools	299	12	0

Table 4 indicated that the City of Orting does not have any Essential Facilities that are located within the 0.1% Annual Chance of flooding on the Puyallup River. There is one Police Station located outside of the City of Orting's city limits and can be seen on Map Appendix D-1.

Inherit Errors

It has been identified that the police station located to the west side of Orting is not in the correct location. The police department shares a building with the Fire District #18 at 401 Washington Ave S, which is located in the middle of town. As Hazus-MH is updated the police station will show a co-location with the fire station at this same location. If this information becomes available prior to the five-year update in 2020, revised analysis will be done and the revised maps will be distributed to the City of Orting and to Fire District #18.

Map Appendix D -1: City of Orting Essential Facilities¹



Induced Flood Damage

Debris Generation

Hazus estimated the amount of debris that will be generated by the flood. The model breaks debris into three general categories: 1) Finishes (dry wall, insulation, etc.), 2) Structural (wood, brick, etc.) and 3) Foundations (concrete slab, concrete block, rebar, etc.) This distinction is made because of the different types of material handling equipment required to handle the debris.

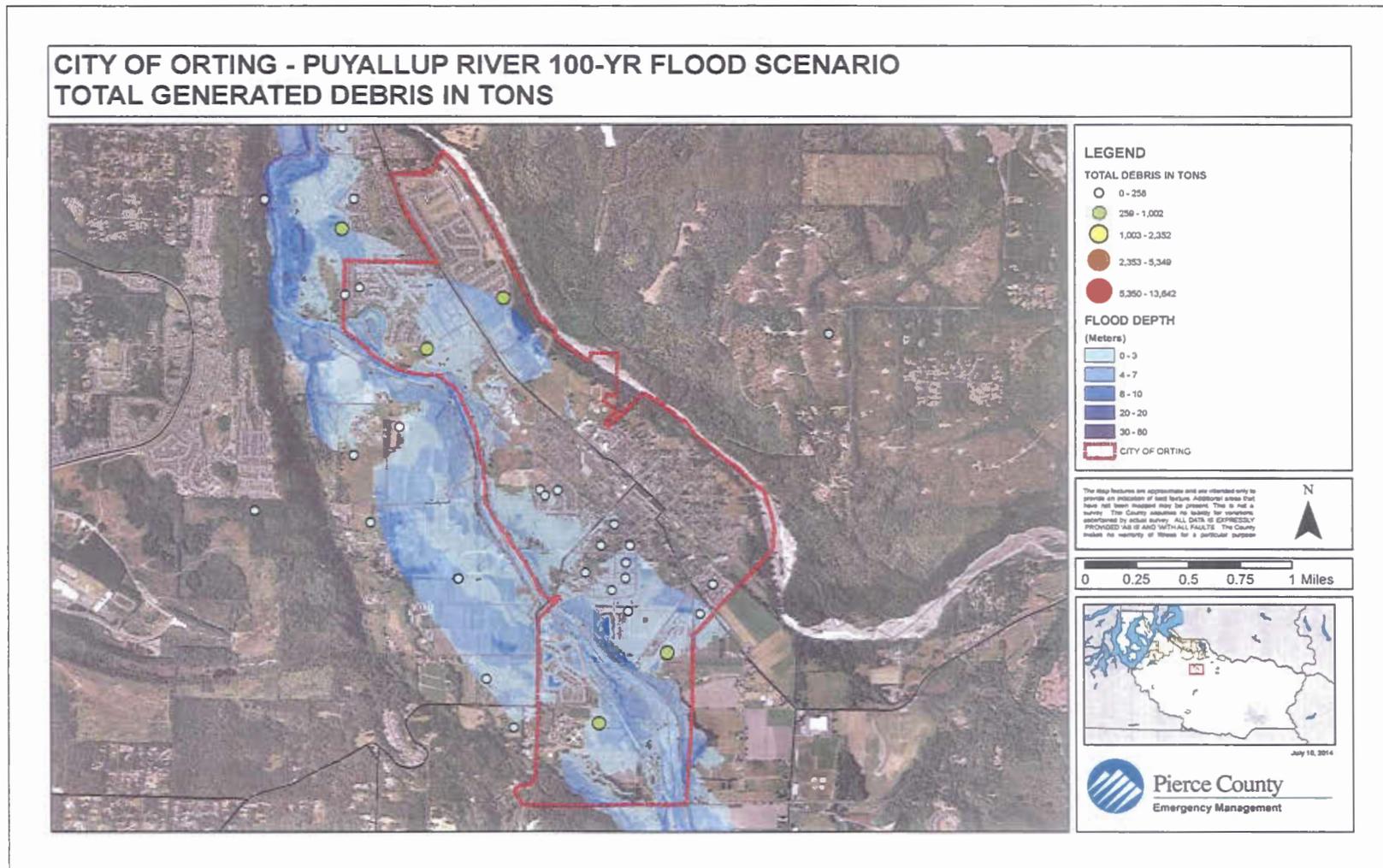
The model estimates that a total of 88,195 tons of debris will be generated from the entire Study Region. Of the total amount, Finishes comprises 47% of the total, Structure comprises 29% of the total. If the debris tonnage is converted into an estimated number of truckloads, it will require 3,528 truckloads @ 25 tons/truck to remove the debris generated by the flood.

For the City of Orting the model estimated that a total of 2,058 tons of debris will be generated. Of the total amount, Finishes comprises 1,575 tons and the Structure comprises 208 tons. Map Appendix D-2 indicates the census blocks and total debris in tonnage amounts.

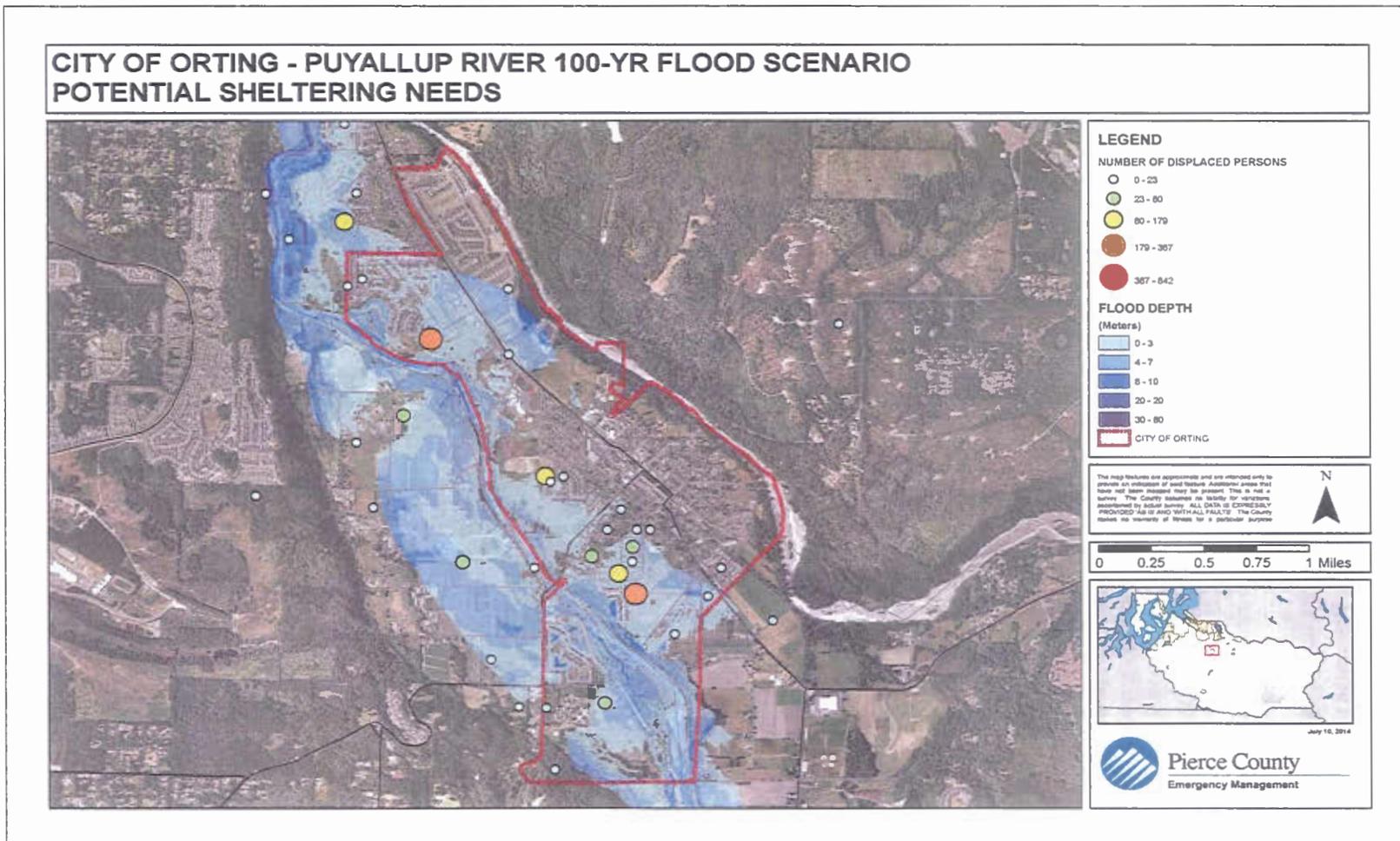
Shelter Requirements

Hazus estimates the number of households that are expected to be displaced from their homes due to the flood and the associated potential evacuation. Hazus also estimates those displaced people that will require accommodations in temporary public shelters. The model estimates 5,783 households will be displaced due to the flood. Displacement includes households evacuated from within or very near to the inundated area. Of these, 15,584 people (out of a total population of 795,147) will seek temporary shelter in public shelters. The City of Orting will have a total of 969 displaced persons who may seek shelters. Map Appendix D-3 indicated the location within the census blocks and number of displaced persons.

Map Appendix D -2: City of Orting Debris Generation



Map Appendix D -3: City of Orting Shelter Requirements



Economic Loss

The total economic loss estimated for the flood is 969.85 million dollars, which represents 29.68% of the total replacement value of the flood scenario buildings.

Building-Related Losses

The building losses are broken into two categories: direct building losses and business interruption losses. The direct building losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability to operate a business because of the damage sustained during the flood. Business interruption losses also include the temporary living expenses for those people displaced from their homes because of the flood.

The total building-related losses were 955.56 million dollars for Pierce County. 1% of the estimated losses were related to the business interruption of the regions. The residential occupancies made up 50.89% of the total loss. Table 5 below provides a summary of the losses associated with the building damage.

Table 5: Building-Related Economic Loss Estimates - (Millions of dollars)

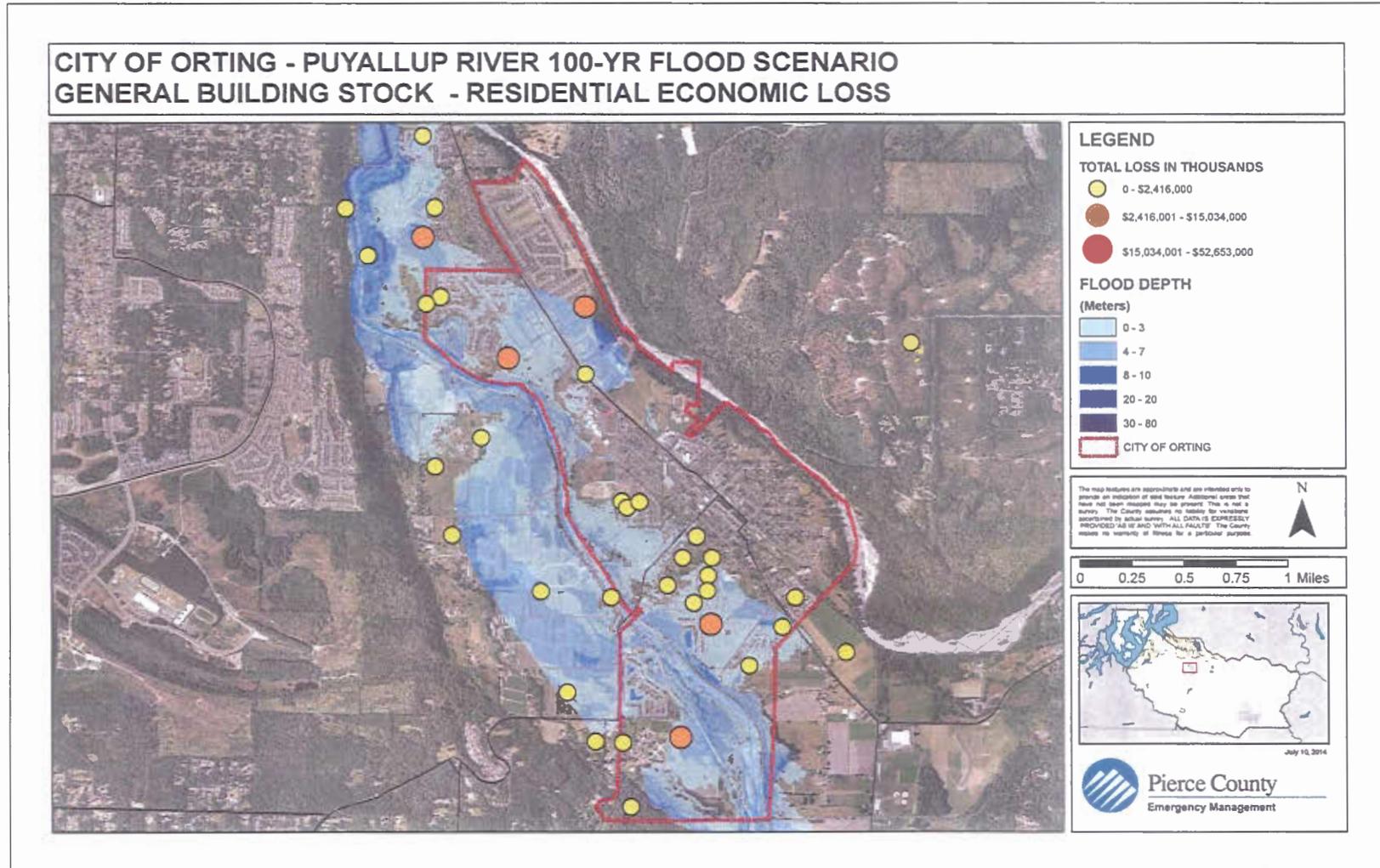
Category	Area	Residential	Commercial	Industrial	Others	Total
<u>Building Loss</u>						
	Building	302.6	125.46	17.46	26.72	472.23
	Content	198.58	162.96	189.25	68.15	438.94
	Inventory	0	30.89	12.46	1.03	44.38
	Subtotal	492.17	319.31	48.17	95.9	955.56
<u>Business Interruption</u>						
	Income	0.13	1.76	0.04	0.39	2.31
	Relocation	0.64	0.96	0.04	0.24	1.87
	Rental Income	0.30	0.66	0	0.02	0.99
	Wage	0.32	2.58	0.04	6.19	9.13
	Subtotal	1.38	5.96	0.13	6.83	14.3
<u>ALL</u>	Total	493.55	325.27	48.3	102.73	969.85

The table below describes the total economic losses for the City of Orting. Analysis was only done for economic loss estimates for residential and commercial areas in Orting. Map Appendix D-4 and Map Appendix D-5 are the total combined economic losses for the census block.

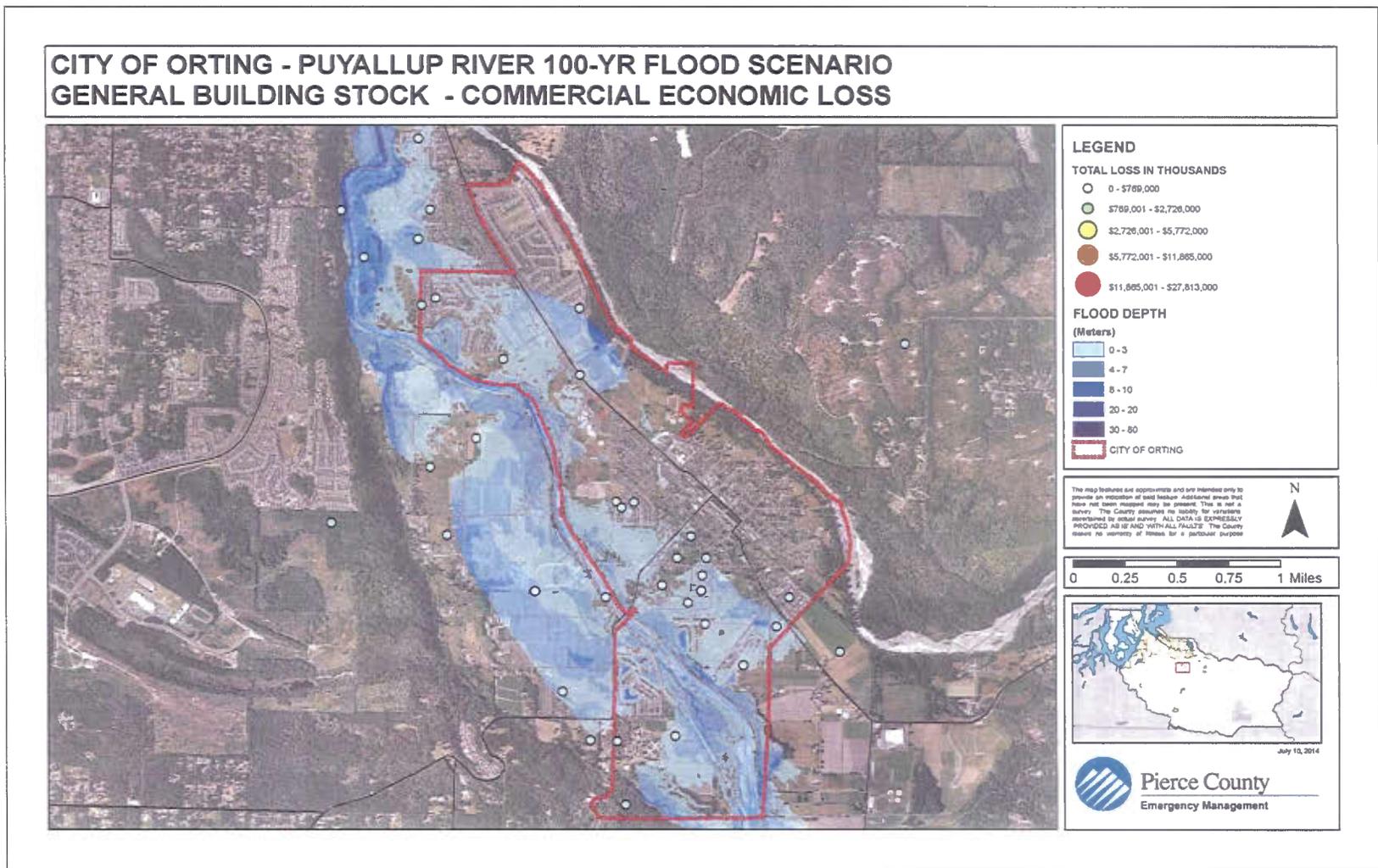
**Table 6: Building-Related Economic Loss Estimates for the City of Orting
(Thousands of dollars)**

Category	Area	Residential	Commercial	Total
<u>Building Loss</u>				
	Building	15,422	119,000	134,422
	Content	9,486	213,000	222,486
	Inventory	0	92,000	92,000
	Subtotal	24,908	424,000	448,908
<u>Business Interruption</u>				
	Income	0	2	2
	Relocation	86	1	87
	Rental Income	18	2	20
	Wage	0	6	6
	Subtotal	104	11	115
<u>ALL</u>	Total	25,012	424,011	449,023

Map Appendix D -4: City of Orting Residential Economic Loss



Map Appendix D -5: City of Orting Commercial Economic Loss



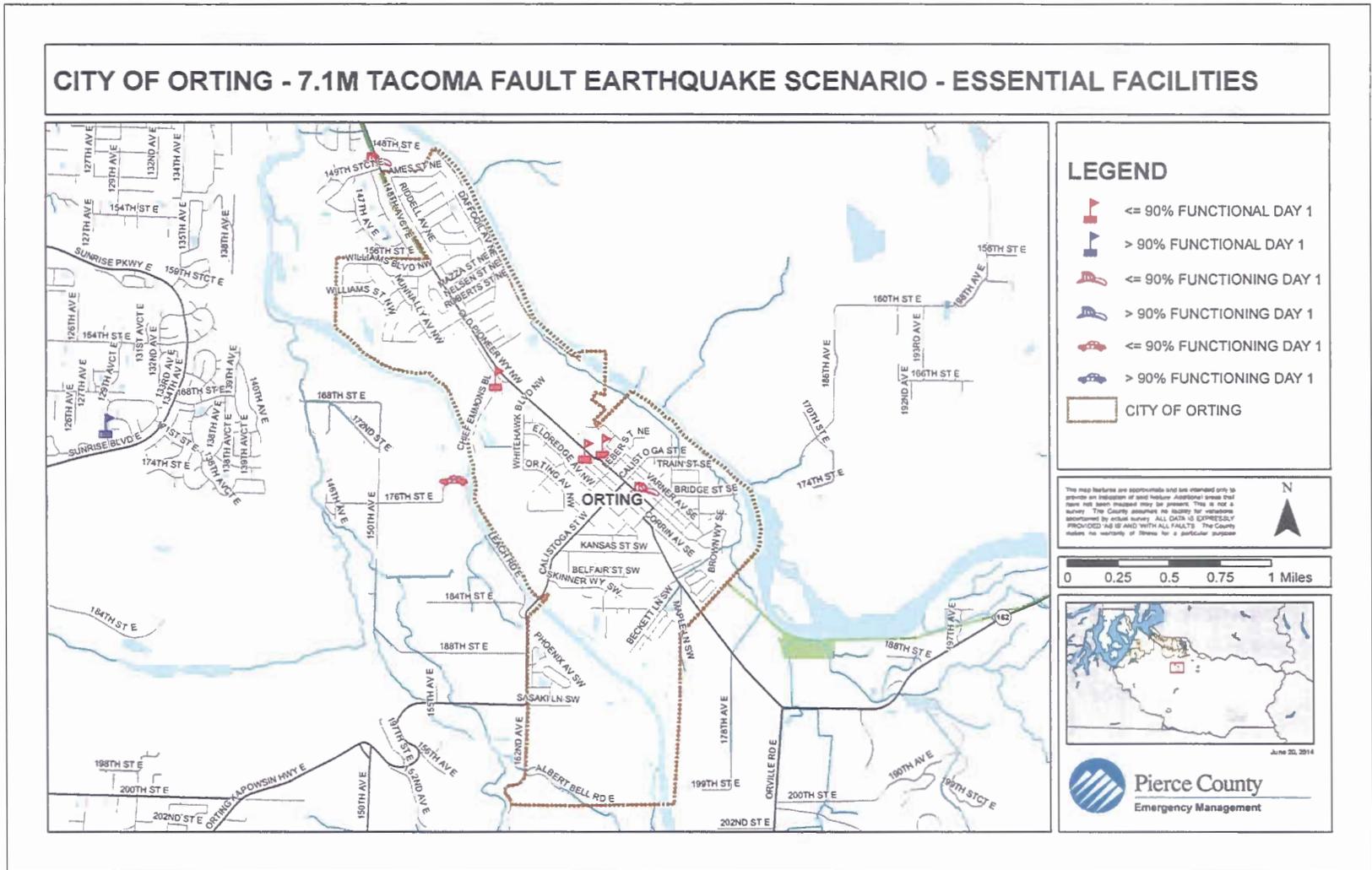
Hazus-MH Earthquake

This appendix also contains the spatial results from the Hazus Earthquake Scenario results showing the Essential Facilities for 90% functionality for Day 1 and Day 7 following an earthquake event based on three earthquakes scenarios. Information was based on ShakeMaps developed by U.S. Geological Survey for a 7.1M earthquake occurring on the Tacoma Fault, 7.2M earthquake on the Nisqually Fault and a 7.2M earthquake on the SeaTac Fault. There was a total of four Essential Facilities that were modeled; fire stations, police stations, schools and hospitals. Additional information can be found in the Risk Assessment Section of the Region 5 All Hazard Mitigation Plan.

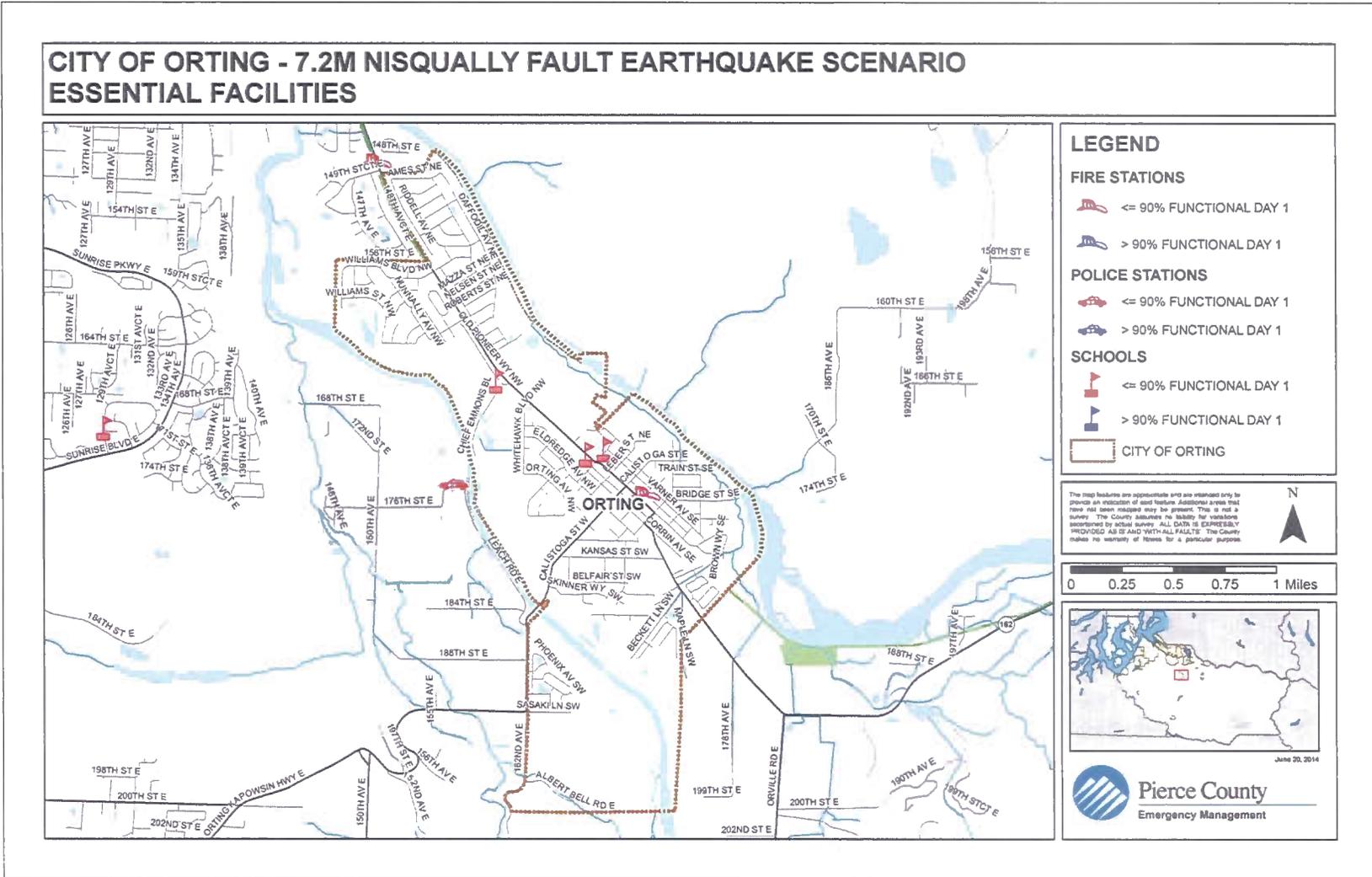
As a special note to the Gig Harbor and Key Peninsula areas St. Anthony's Hospital is not identified on Maps D-13, D-14, D-22, D-23, D-31 or D-32 due to the recent construction of St. Anthony's Hospital and lack of data. With future updates of the Region 5 All Hazard Mitigation Plan, St. Anthony's Hospital will be included in the scenario analysis. If this information becomes available prior to the five-year update in 2020, revised analysis will be done and the revised maps will be distributed to the City of Gig Harbor, Gig Harbor Fire & Medic One and the Key Peninsula Fire Department.

Additionally, it has been identified that the police station located to the west side of Orting is not in the correct location. The police department shares a building with the Fire District #18 at 401 Washington Ave S, which is located in the middle of town. As Hazus-MH is updated the police station will show a co-location with the fire station at this same location. If this information becomes available prior to the five-year update in 2020, revised analysis will be done and the revised maps will be distributed to the City of Orting and to Fire District #18.

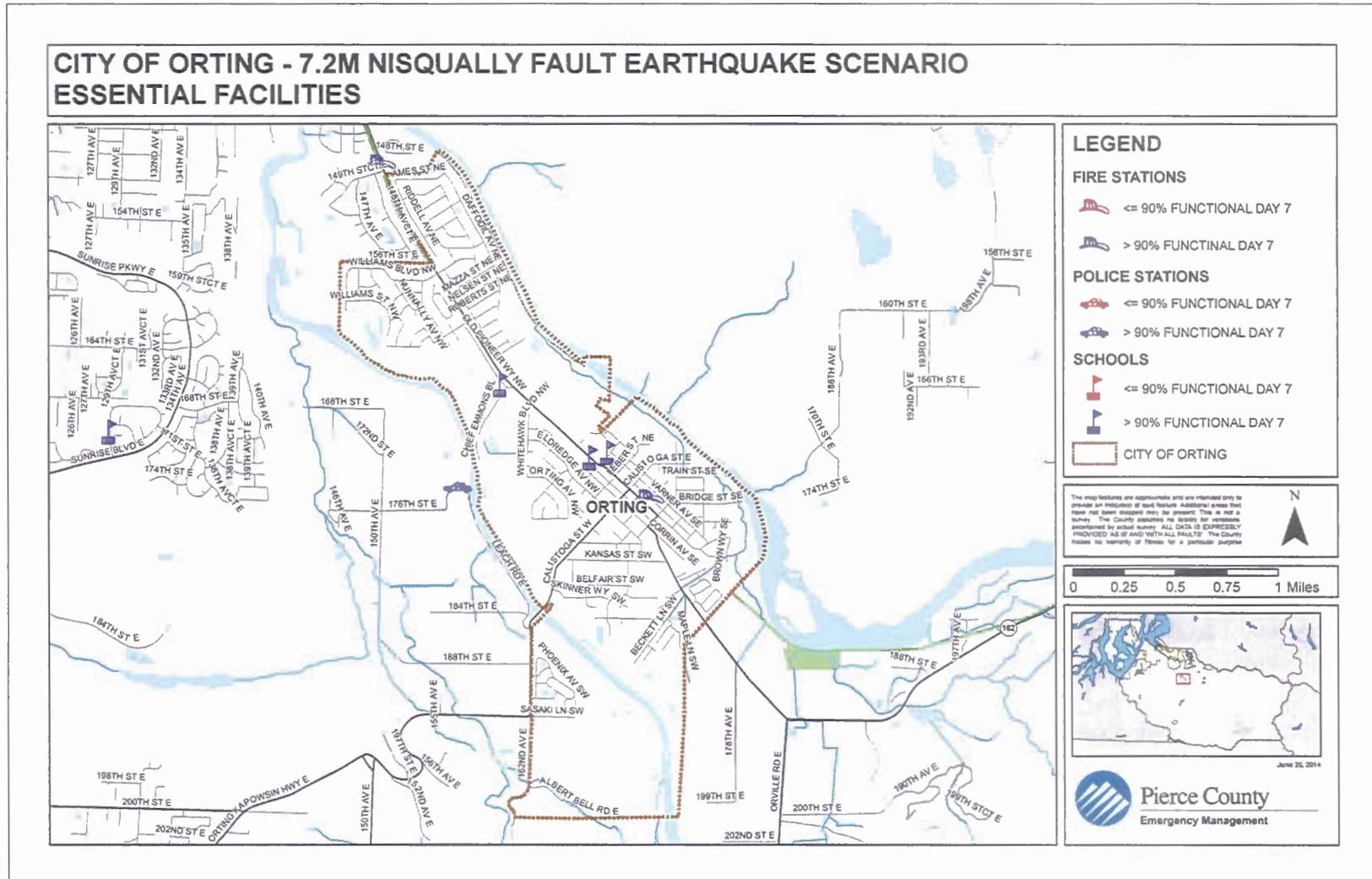
Map D-1 City of Orting Tacoma Fault Scenario Essential Facilities Day 1 Map²



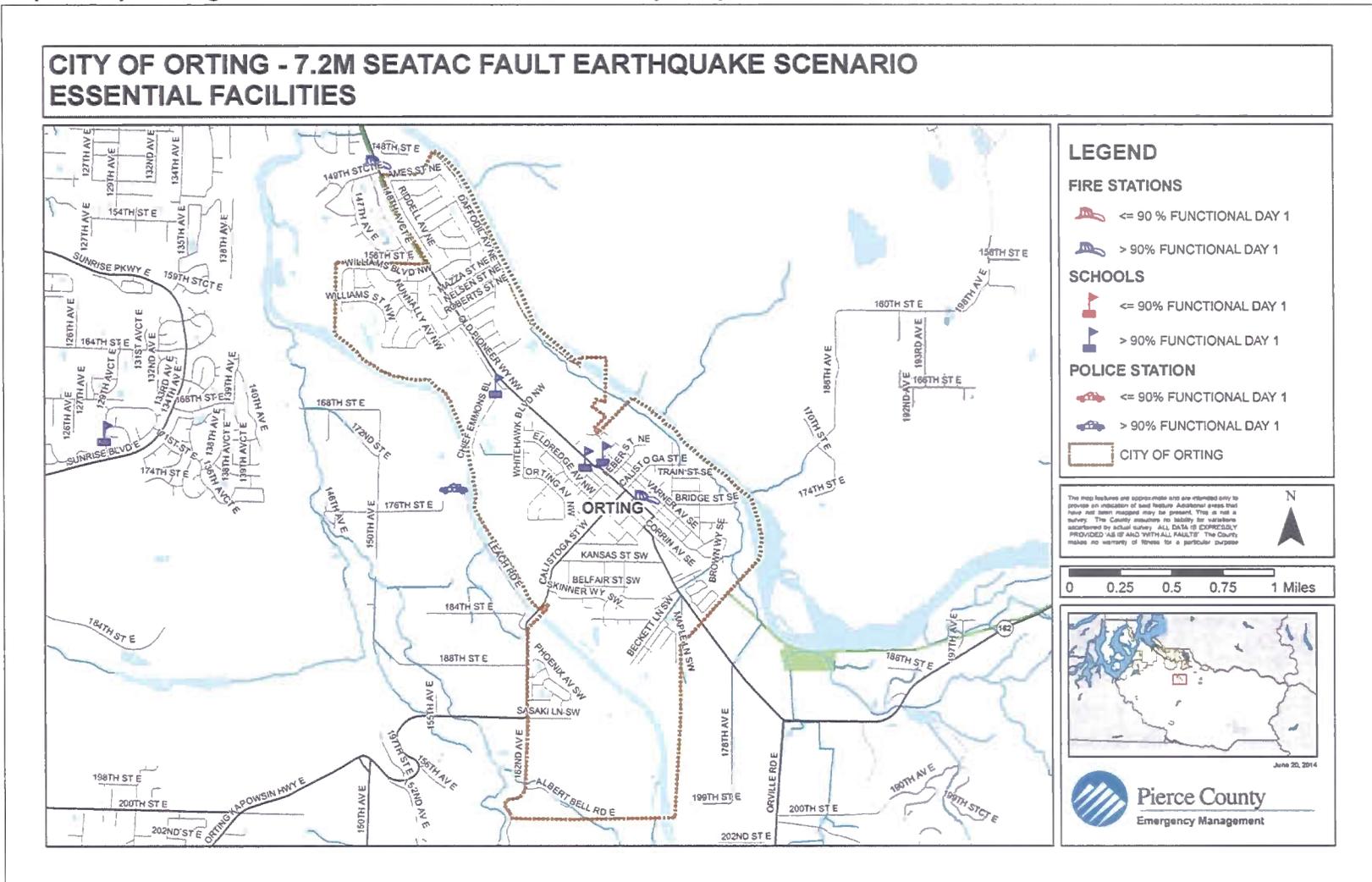
Map D-3 City of Orting Nisqually Fault Scenario Essential Facilities Day 1 Map⁴



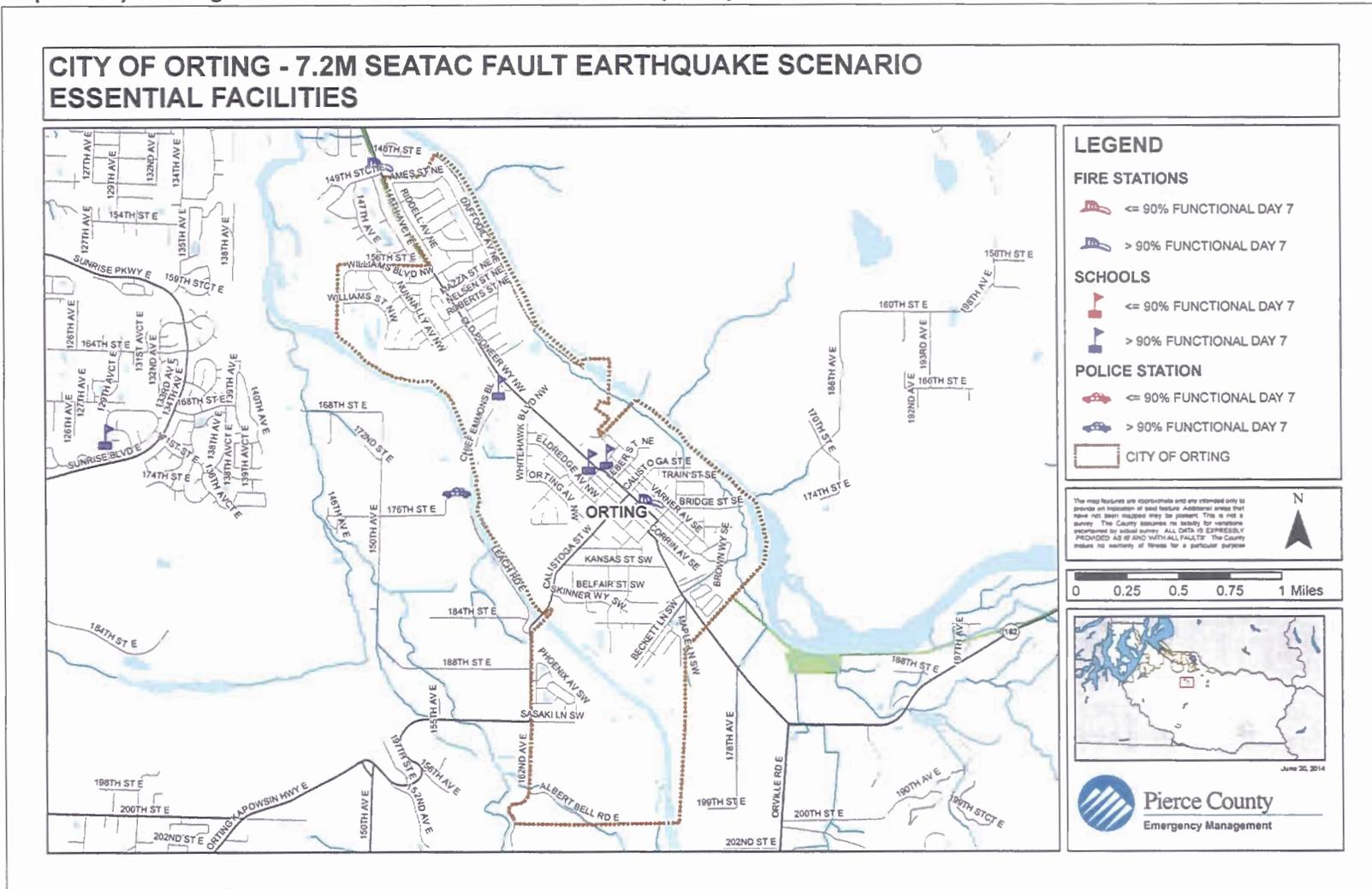
Map D-4 City of Orting Nisqually Fault Scenario Essential Facilities Day 7 Map⁵



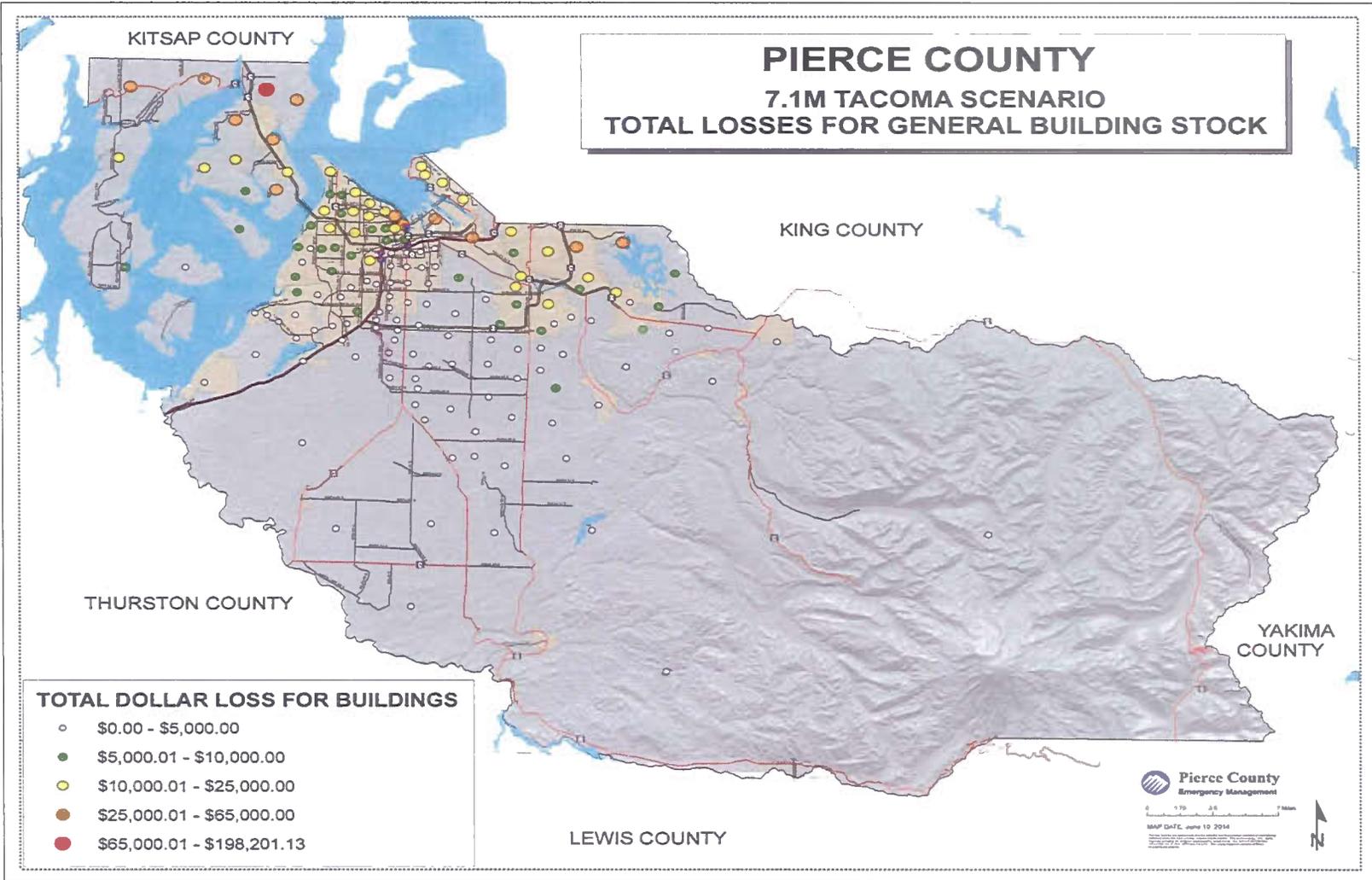
Map D-5 City of Orting SEATAC Fault Scenario Essential Facilities Day 1 Map⁶



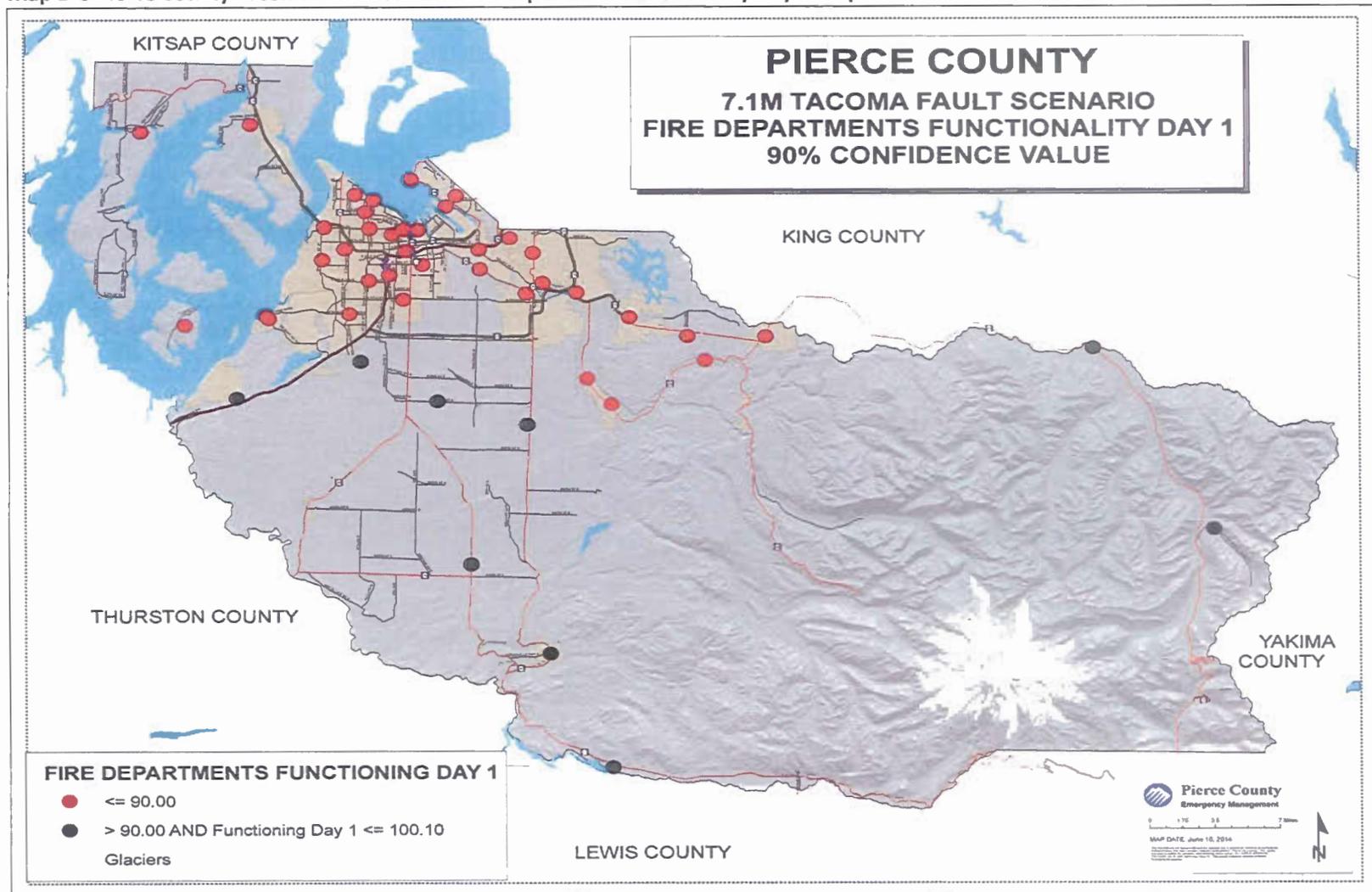
Map D-6 City of Orting SEATAC Fault Scenario Essential Facilities Day 7 Map⁷



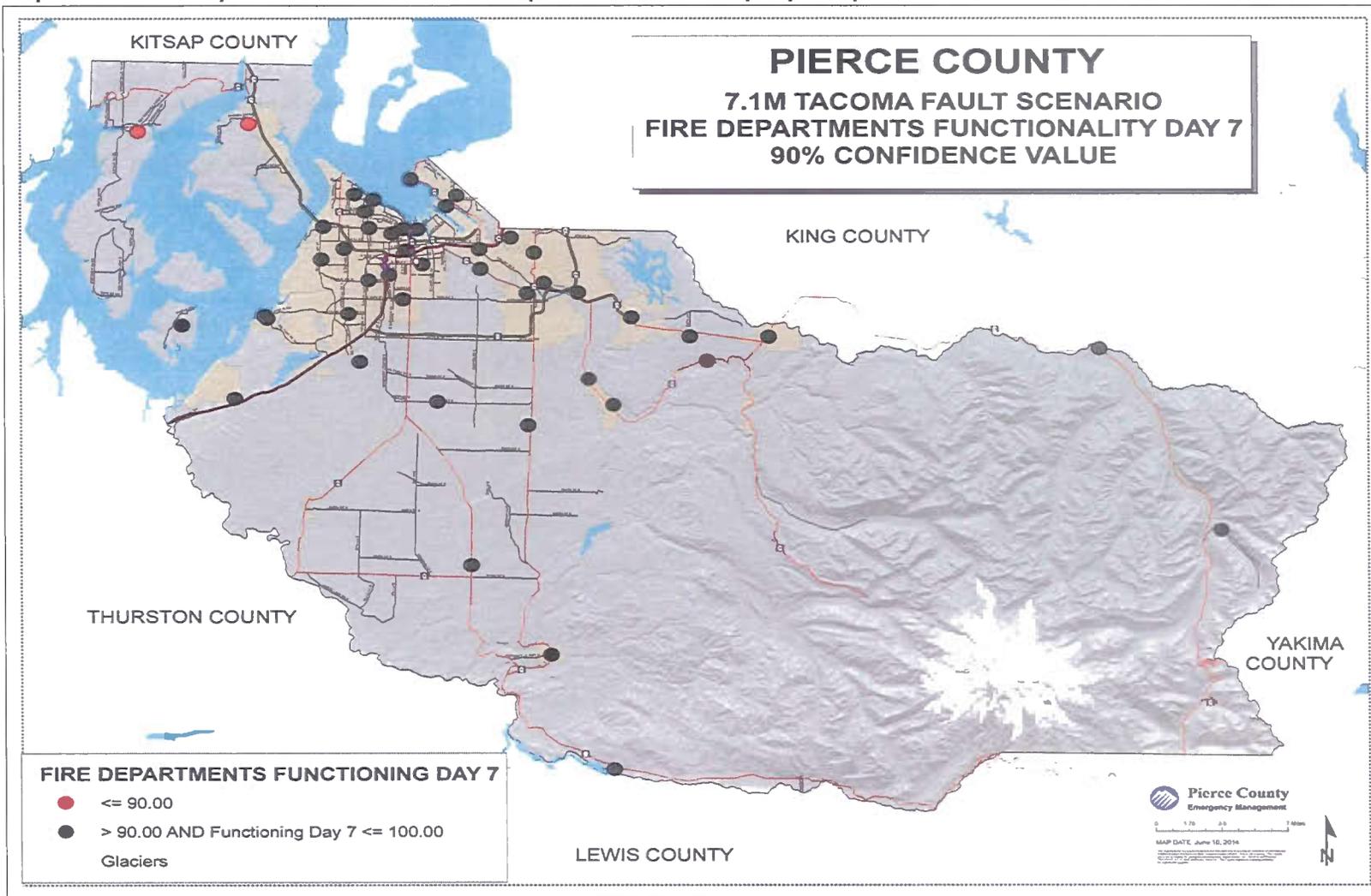
Map D-7 Pierce County Tacoma Fault Scenario Total Losses Map



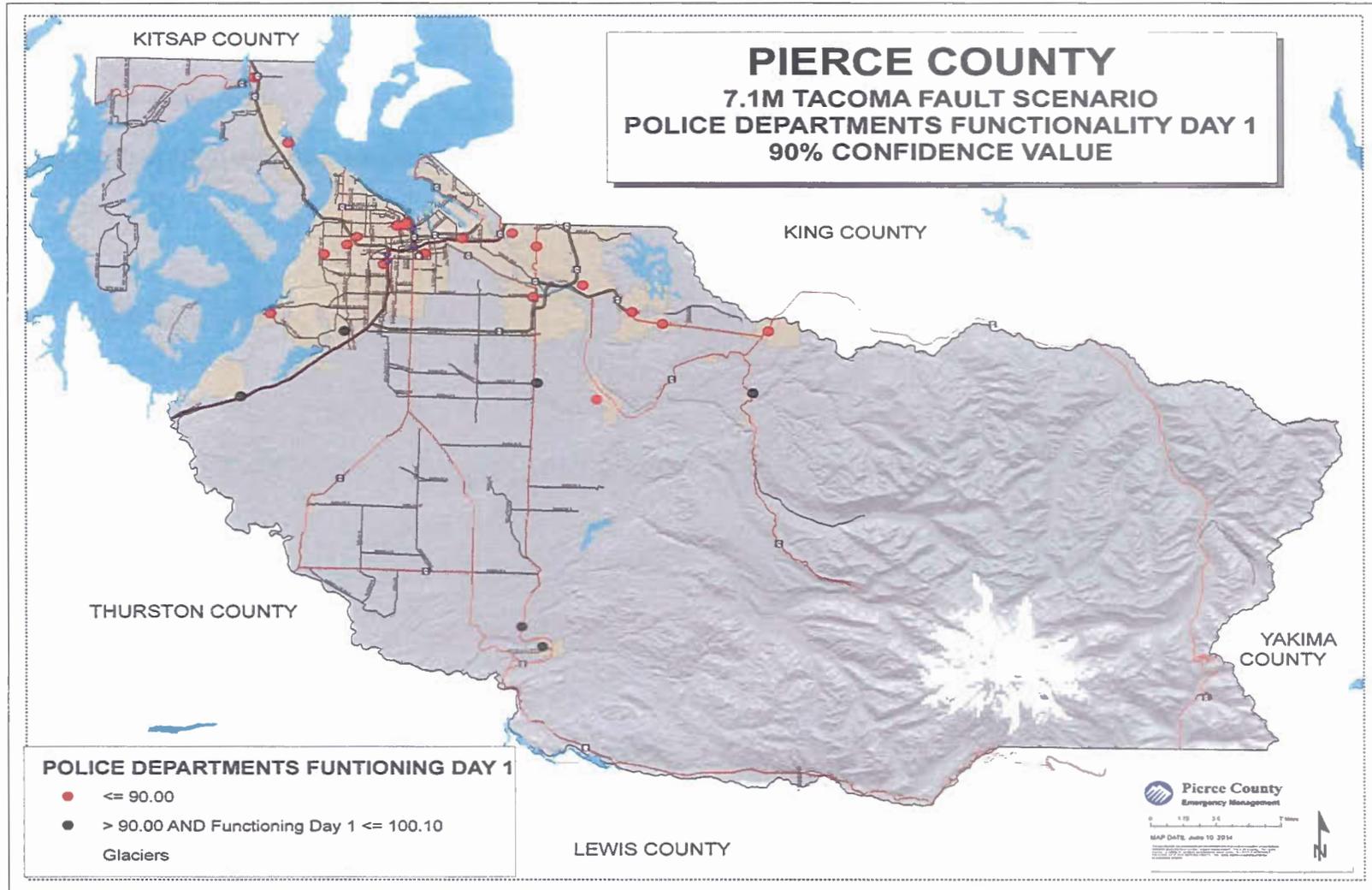
Map D-8 Pierce County Tacoma Fault Scenario Fire Department Functionality Day 1 Map



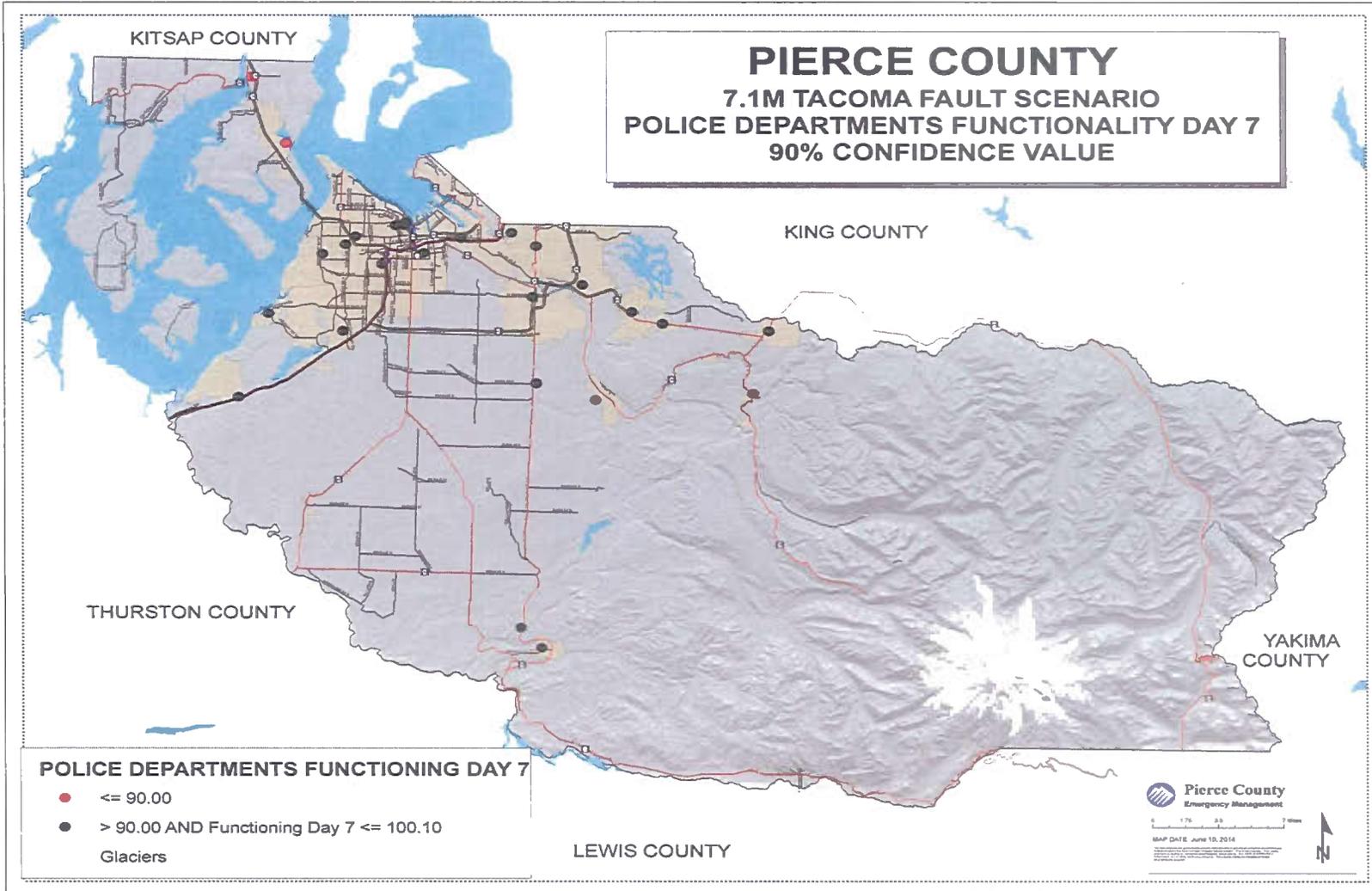
Map D-9 Pierce County Tacoma Fault Scenario Fire Department Functionality Day 7 Map



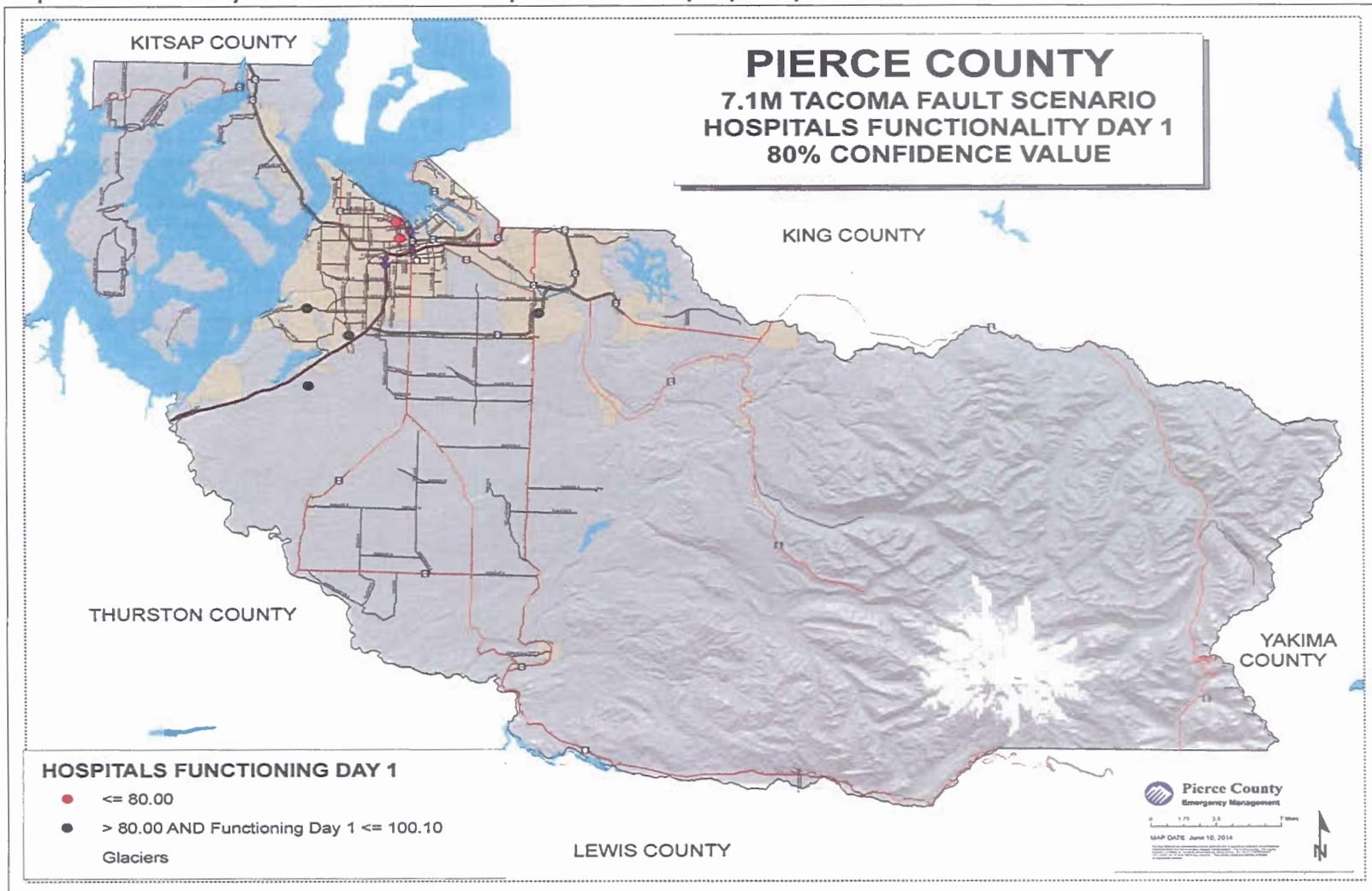
Map D-10 Pierce County Tacoma Fault Scenario Police Department Functionality Day 1 Map



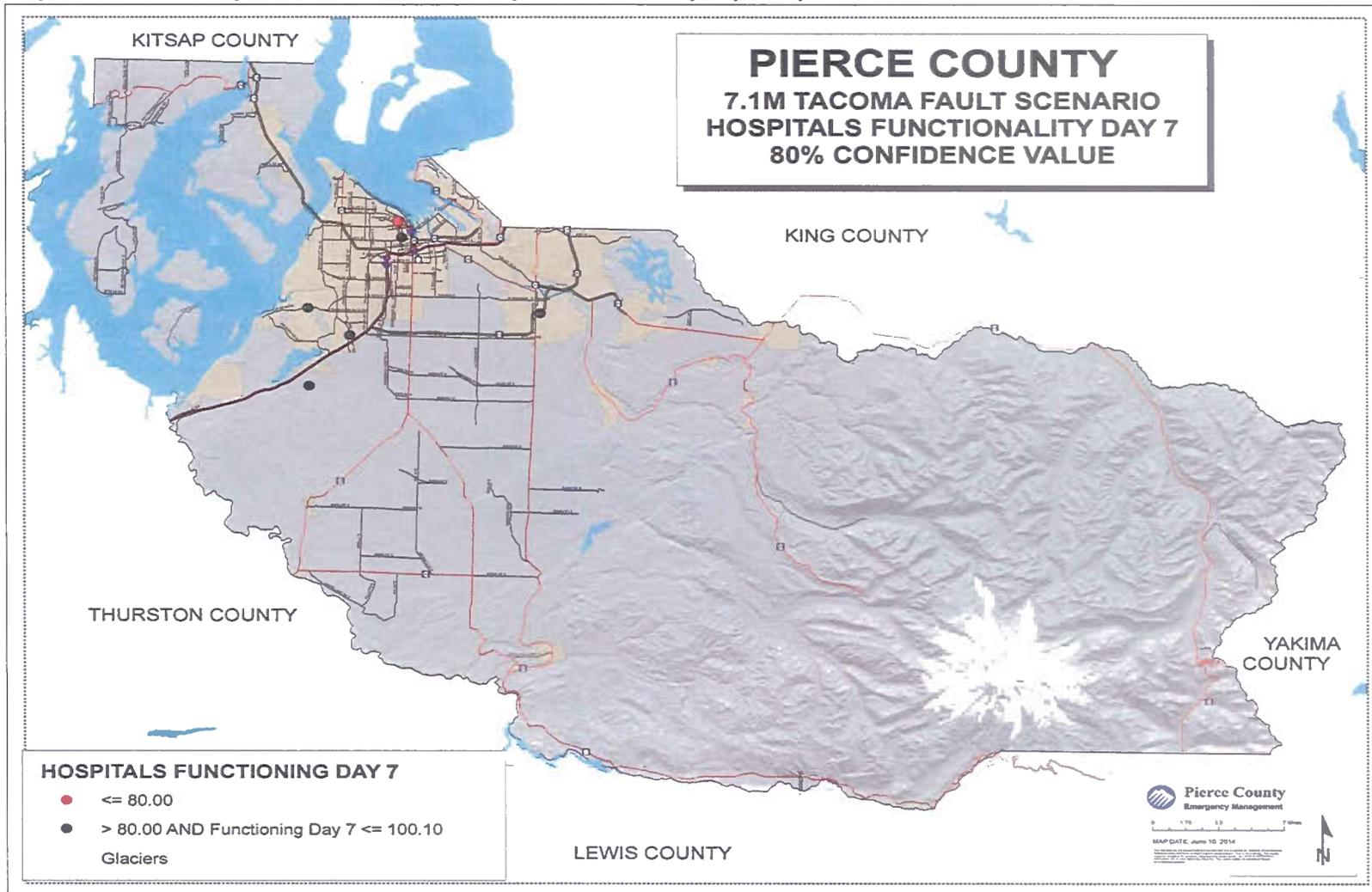
Map D-11 Pierce County Tacoma Fault Scenario Police Department Functionality Day 7 Map



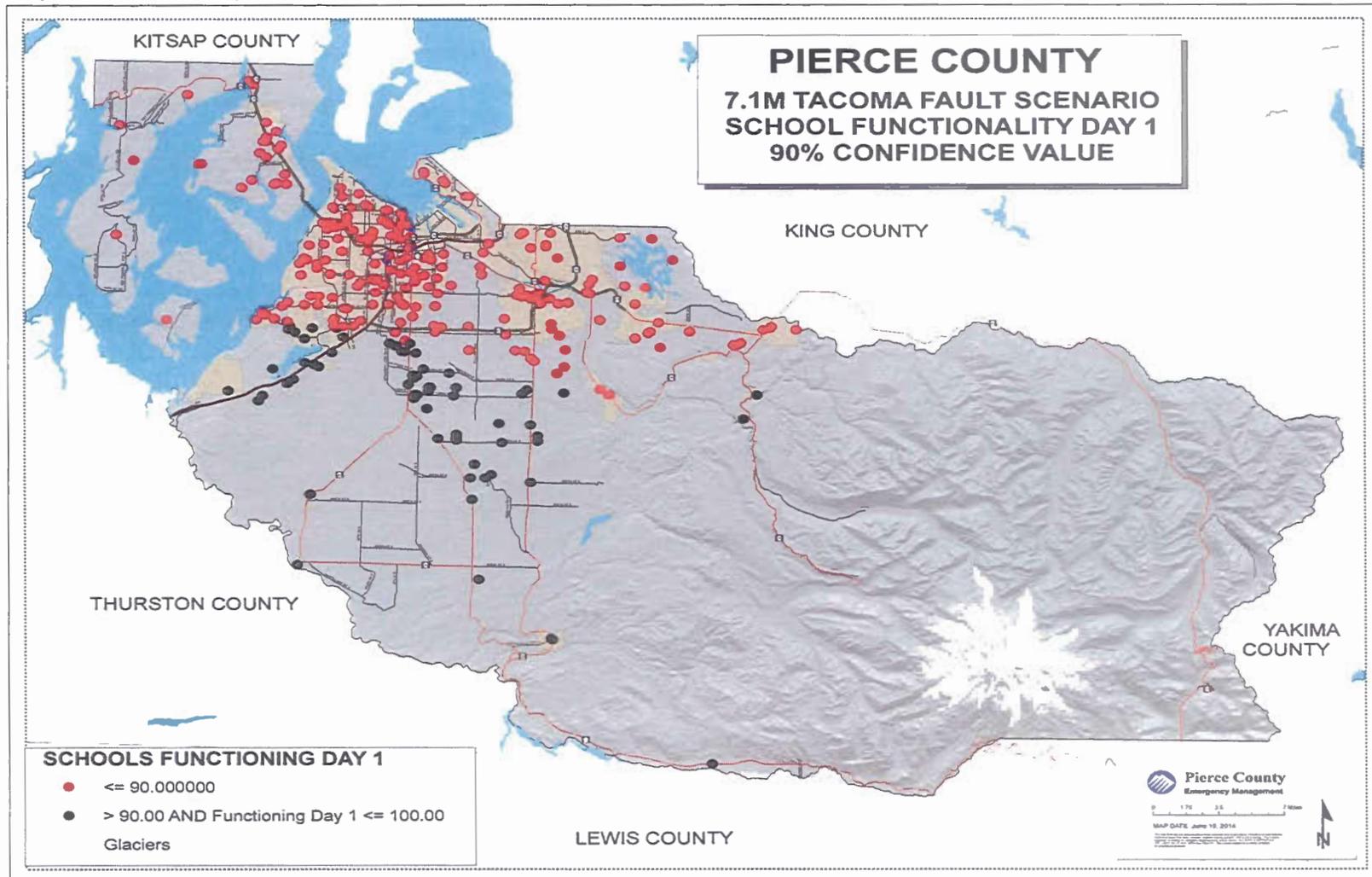
Map D-12 Pierce County Tacoma Fault Scenario Hospitals Functionality Day 1 Map⁸



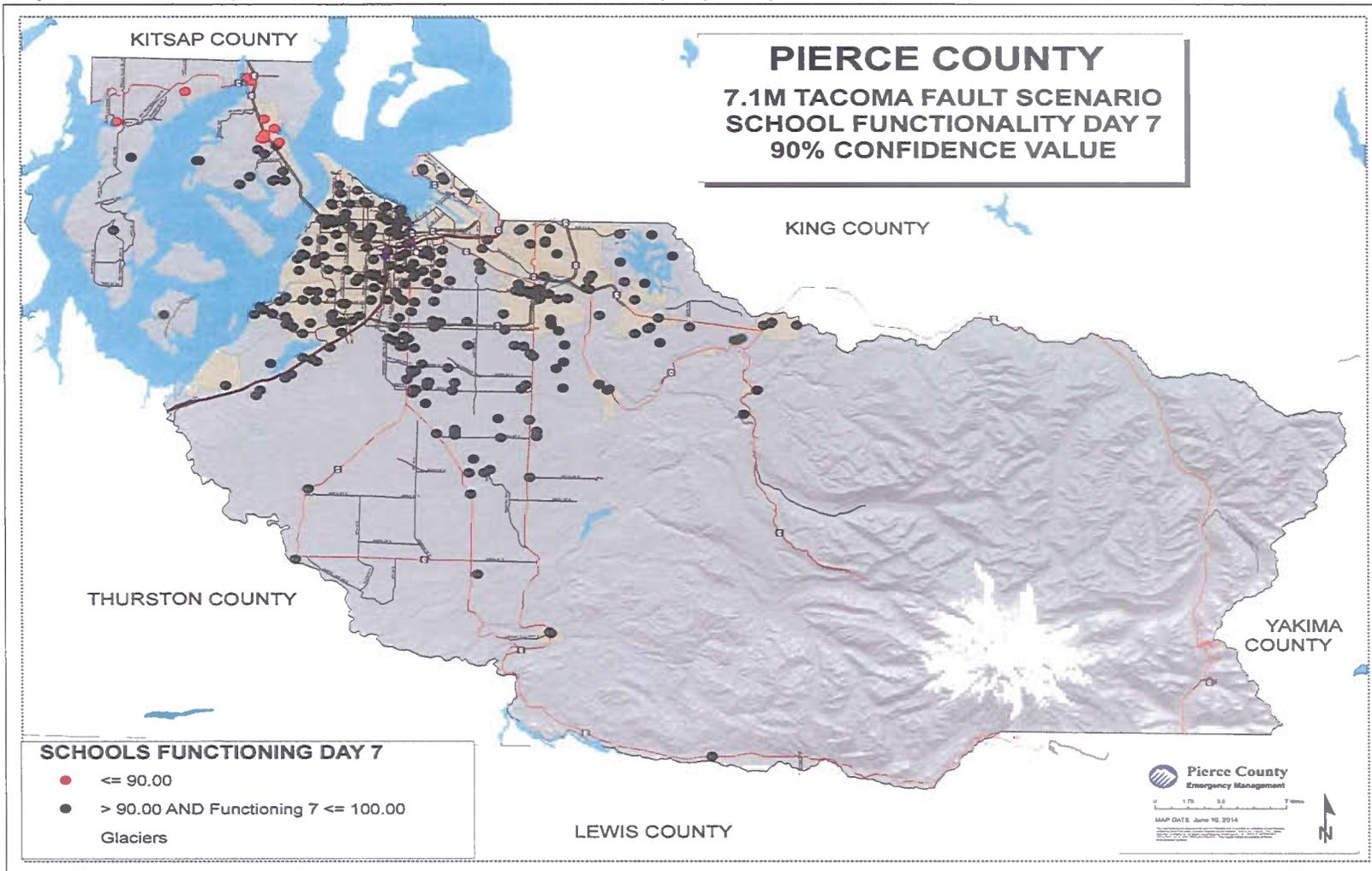
Map D-13 Pierce County Tacoma Fault Scenario Hospitals Functionality Day 7 Map⁹



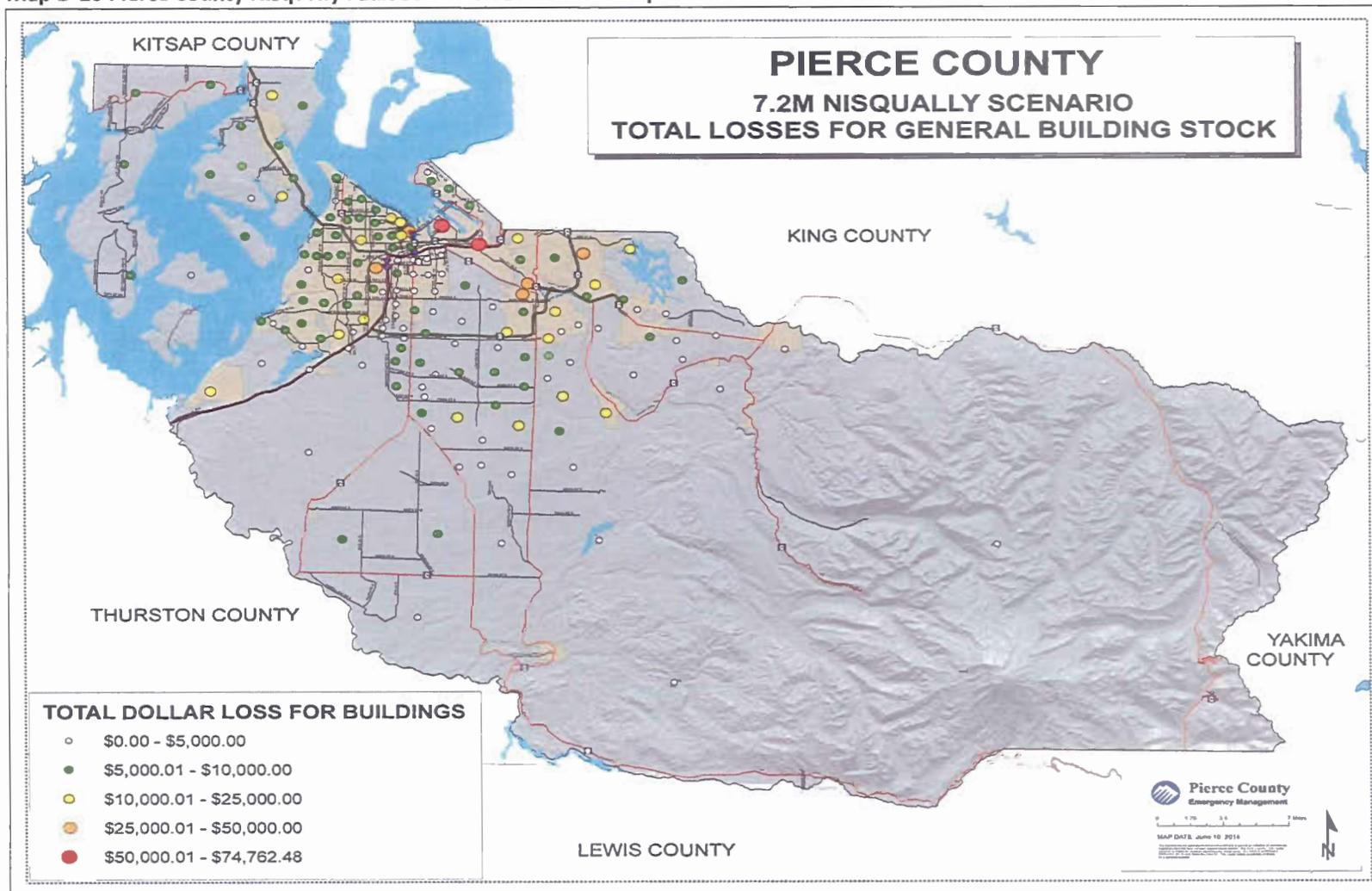
Map D-14 Pierce County Tacoma Fault Scenario School Functionality Day 1 Map



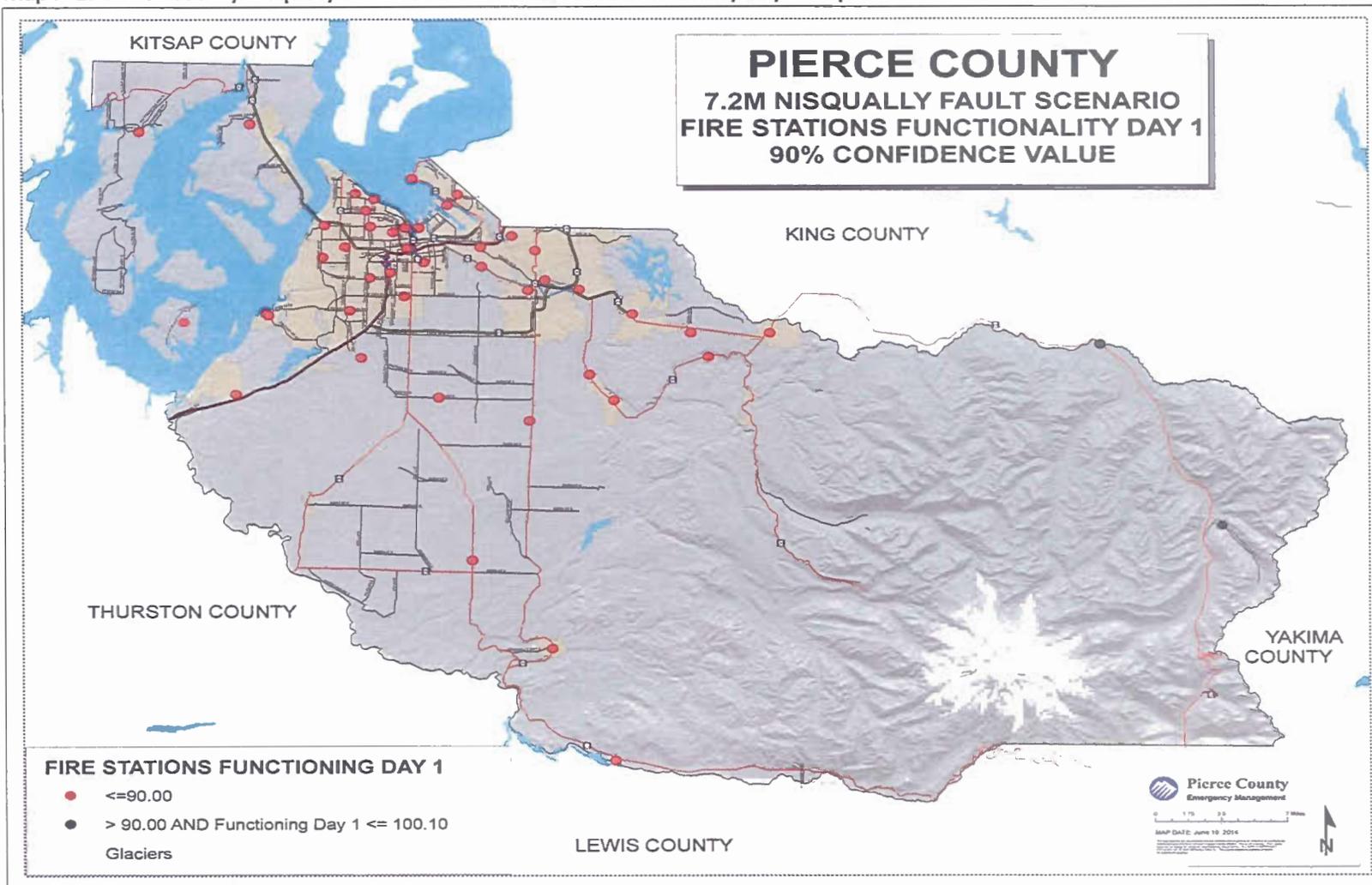
Map D-15 Pierce County Tacoma Fault Scenario School Functionality Day 7 Map



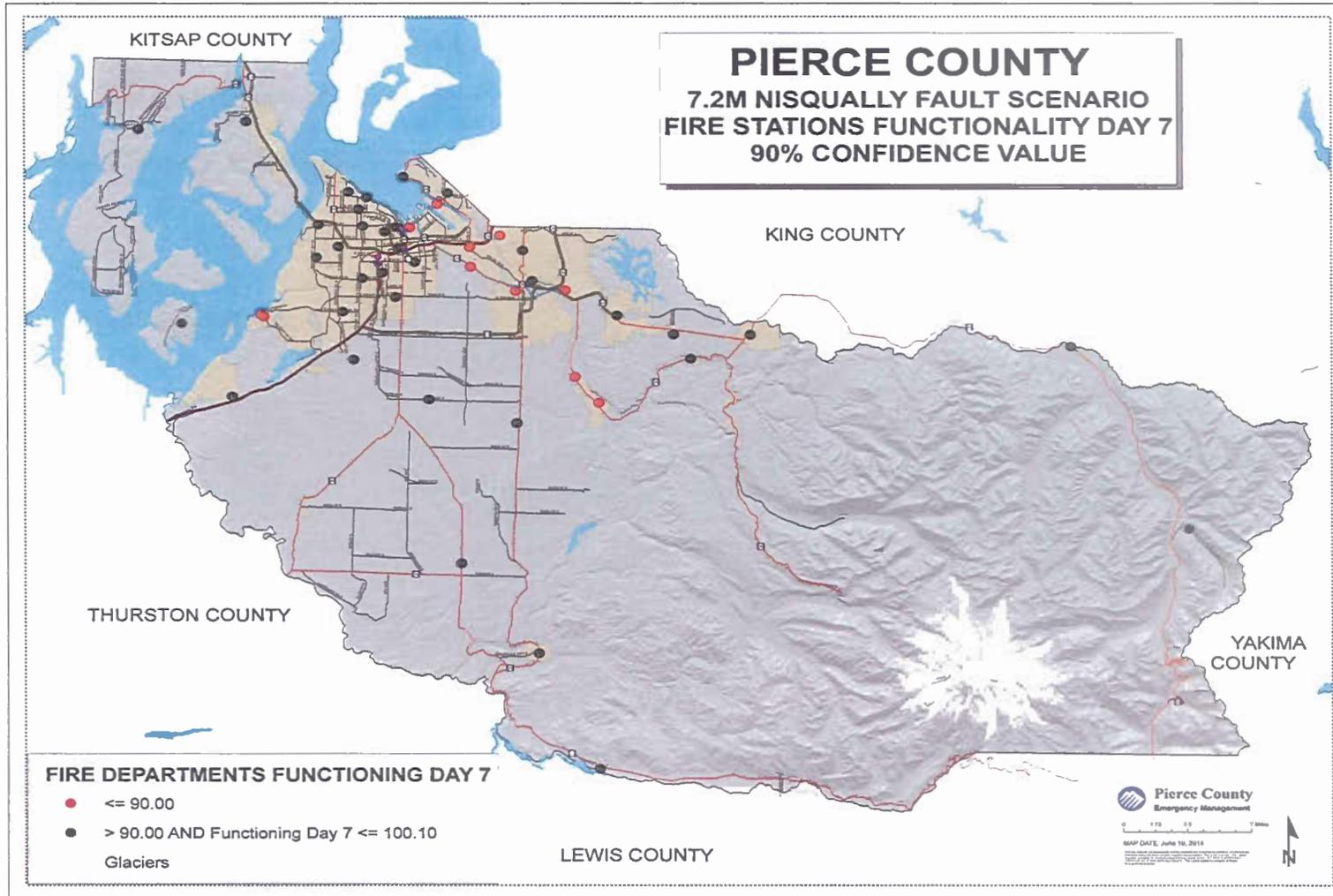
Map D-16 Pierce County Nisqually Fault Scenario Total Losses Map



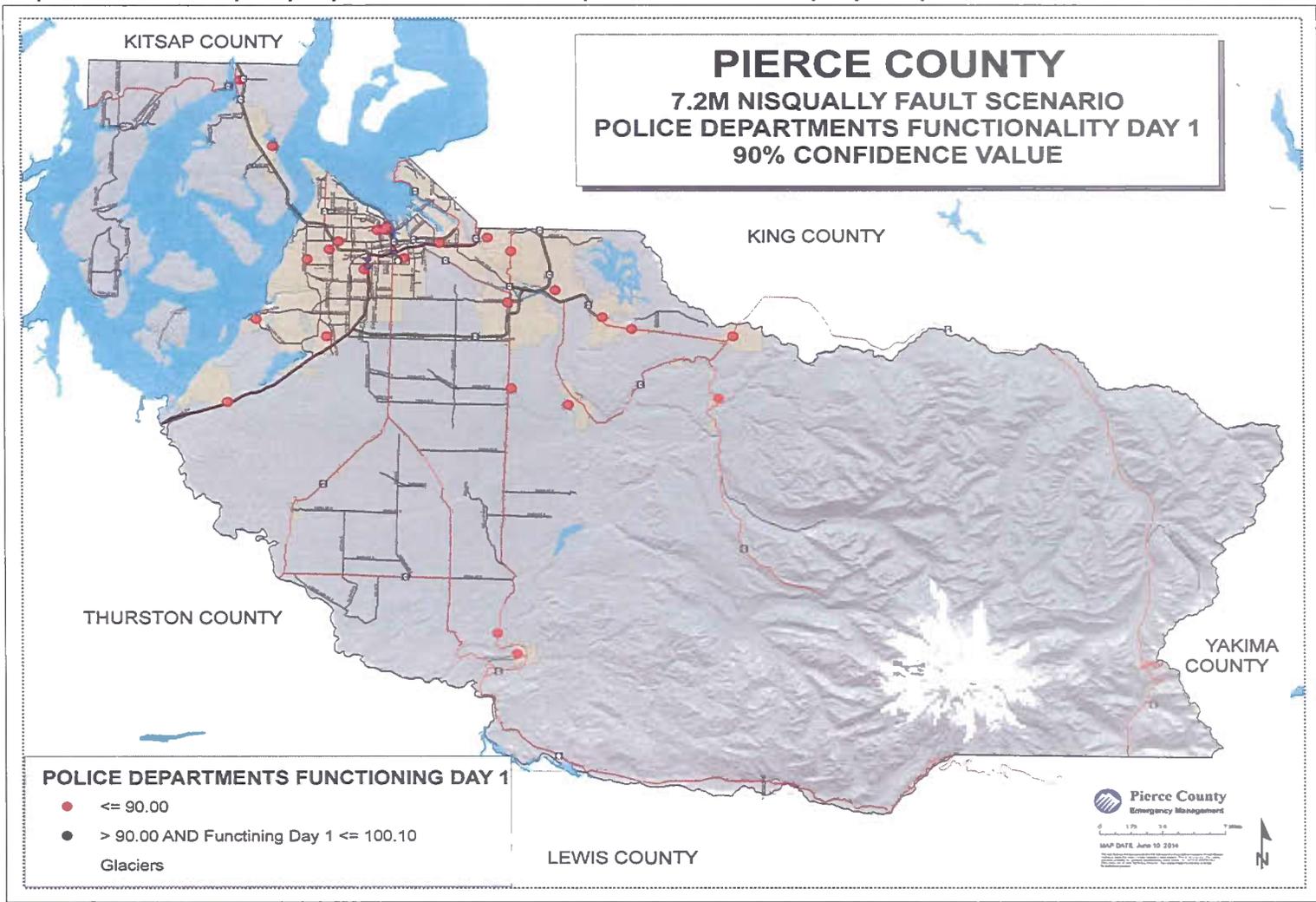
Map D-17 Pierce County Nisqually Fault Scenario Fire Stations Functionality Day 1 Map



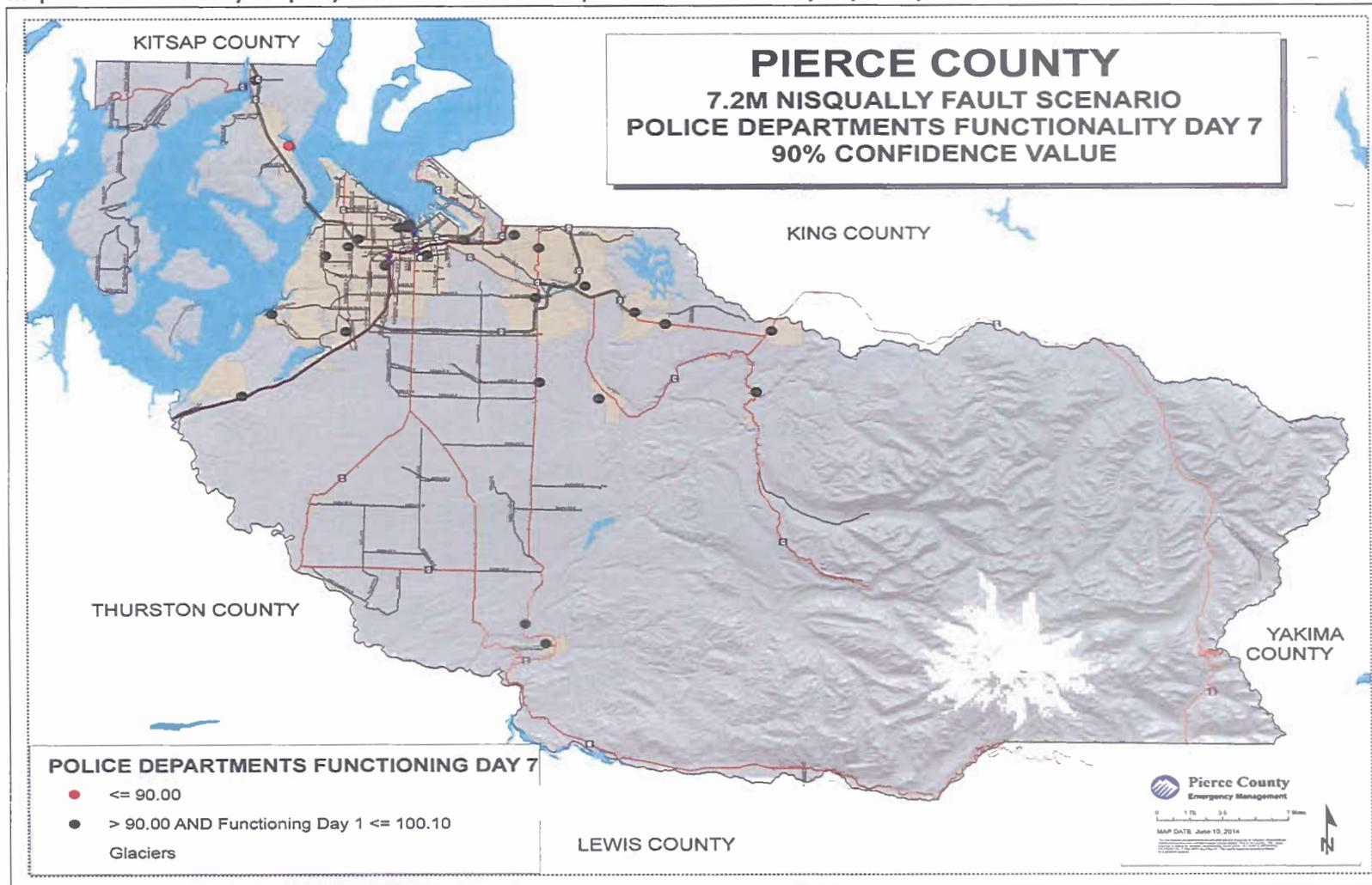
Map D-18 Pierce County Nisqually Fault Scenario Fire Stations Functionality Day 7 Map



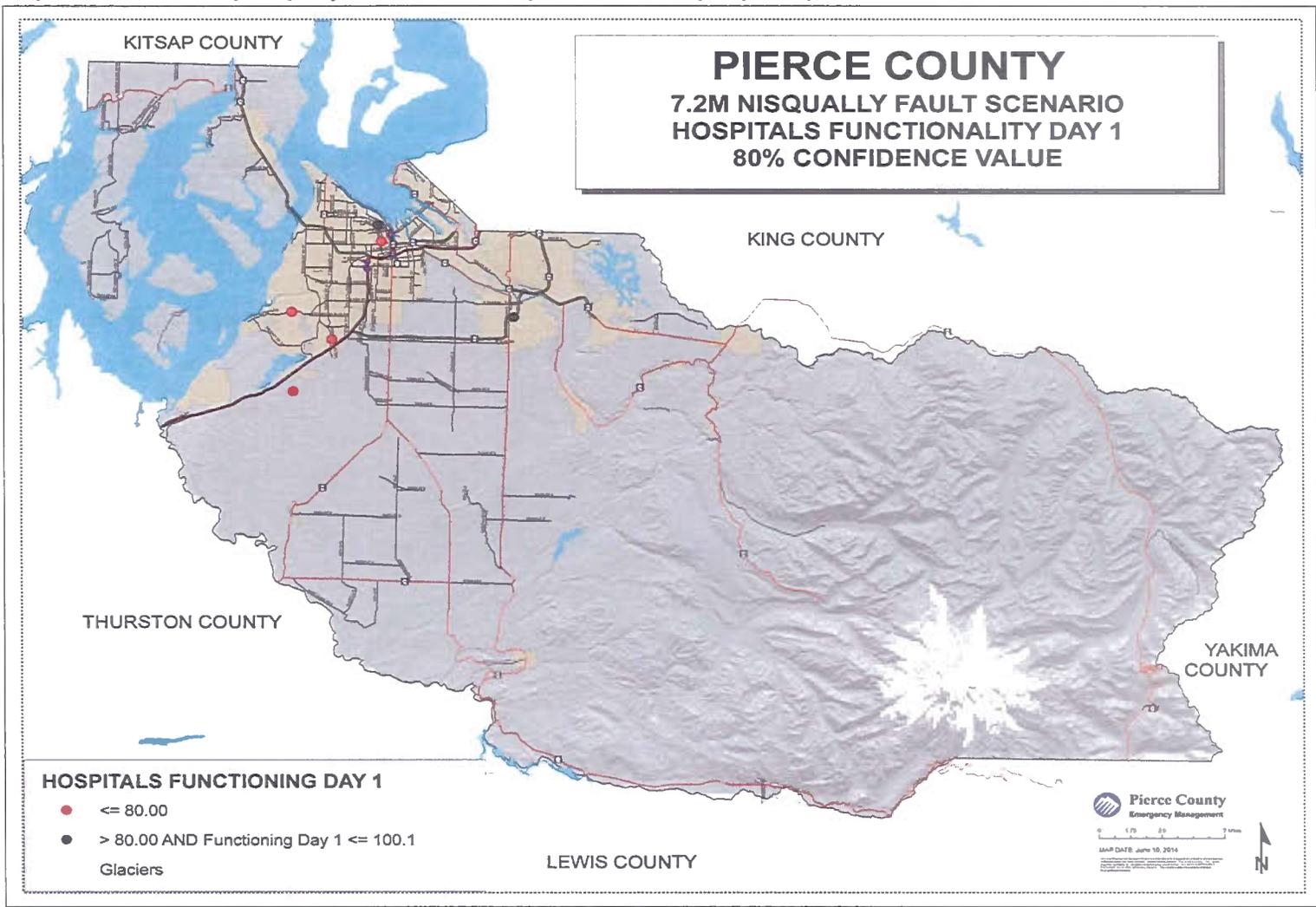
Map D-19 Pierce County Nisqually Fault Scenario Police Departments Functionality Day 1 Map



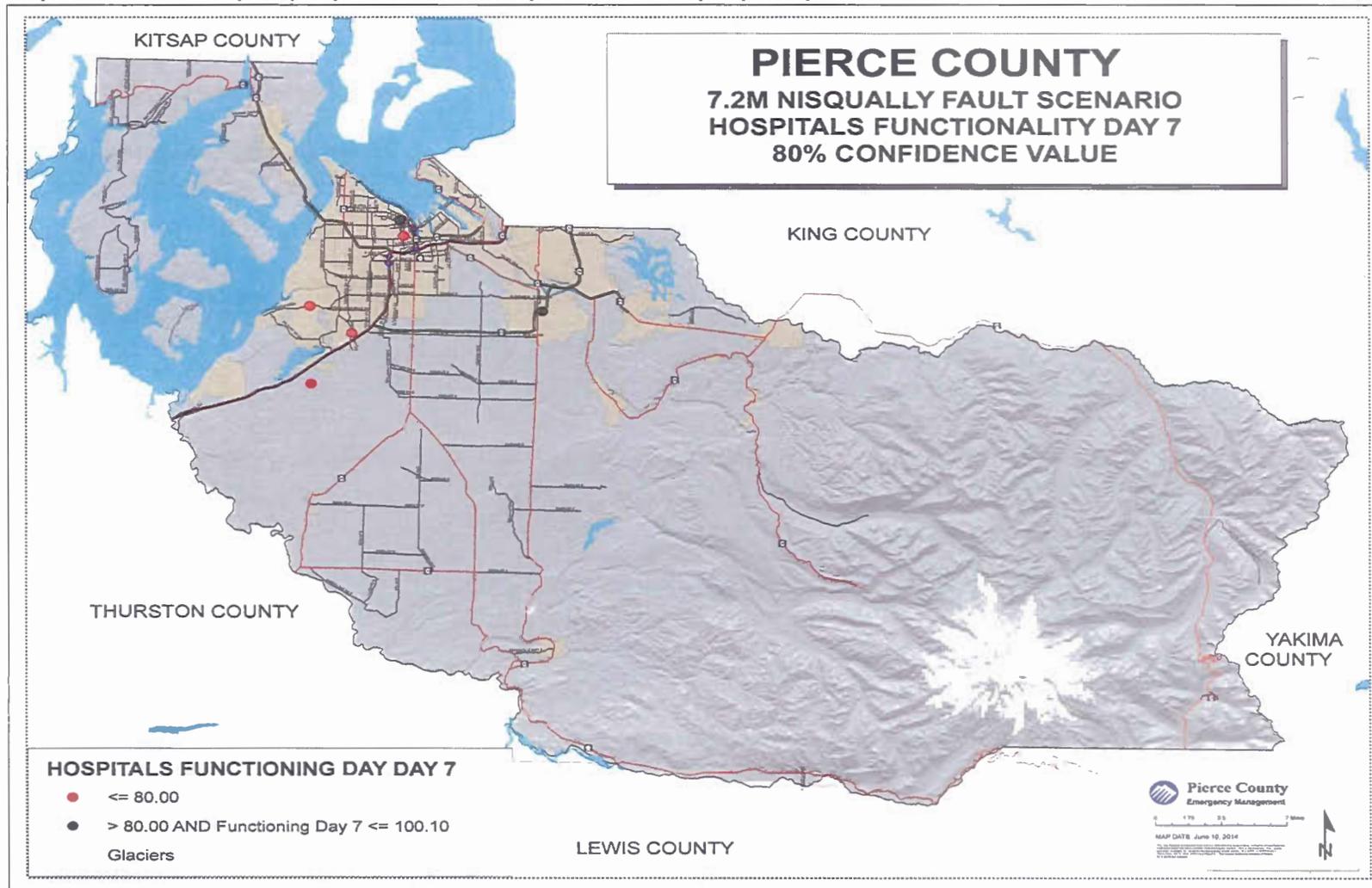
Map D-20 Pierce County Nisqually Fault Scenario Police Departments Functionality Day 7 Map



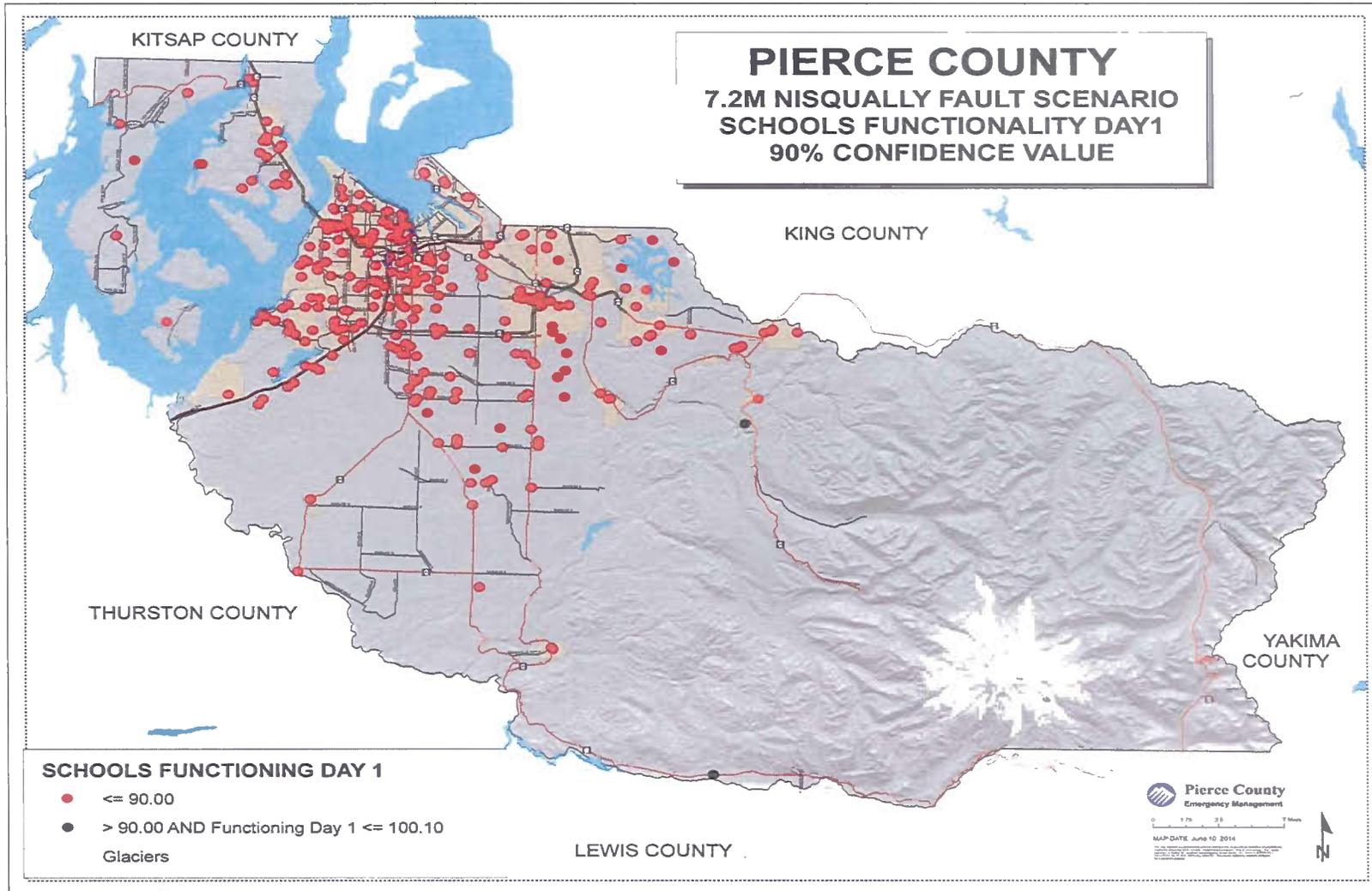
Map D-21 Pierce County Nisqually Fault Scenario Hospital Functionality Day 1 Map¹⁰



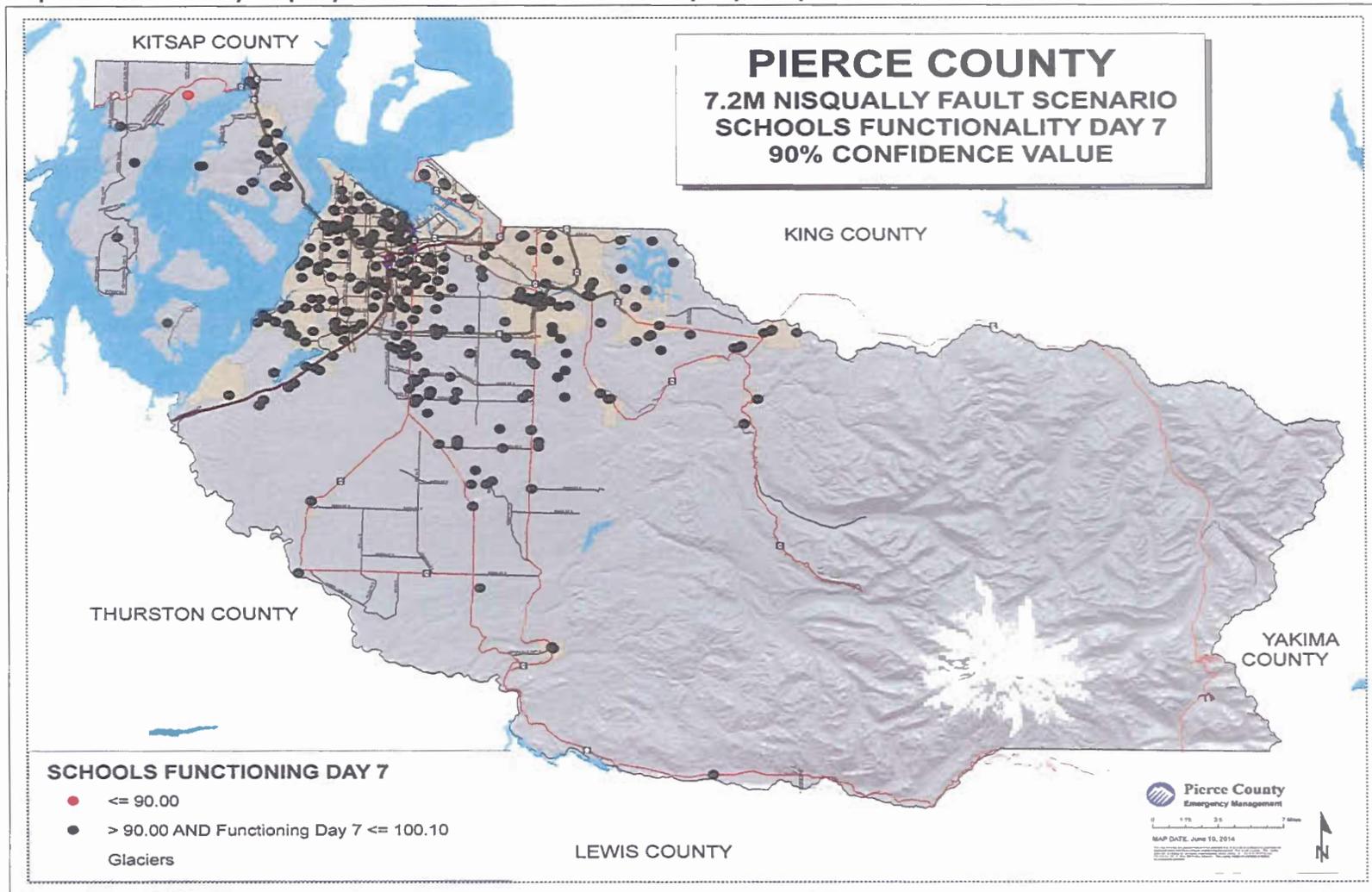
Map D-22 Pierce County Nisqually Fault Scenario Hospital Functionality Day 7 Map¹¹



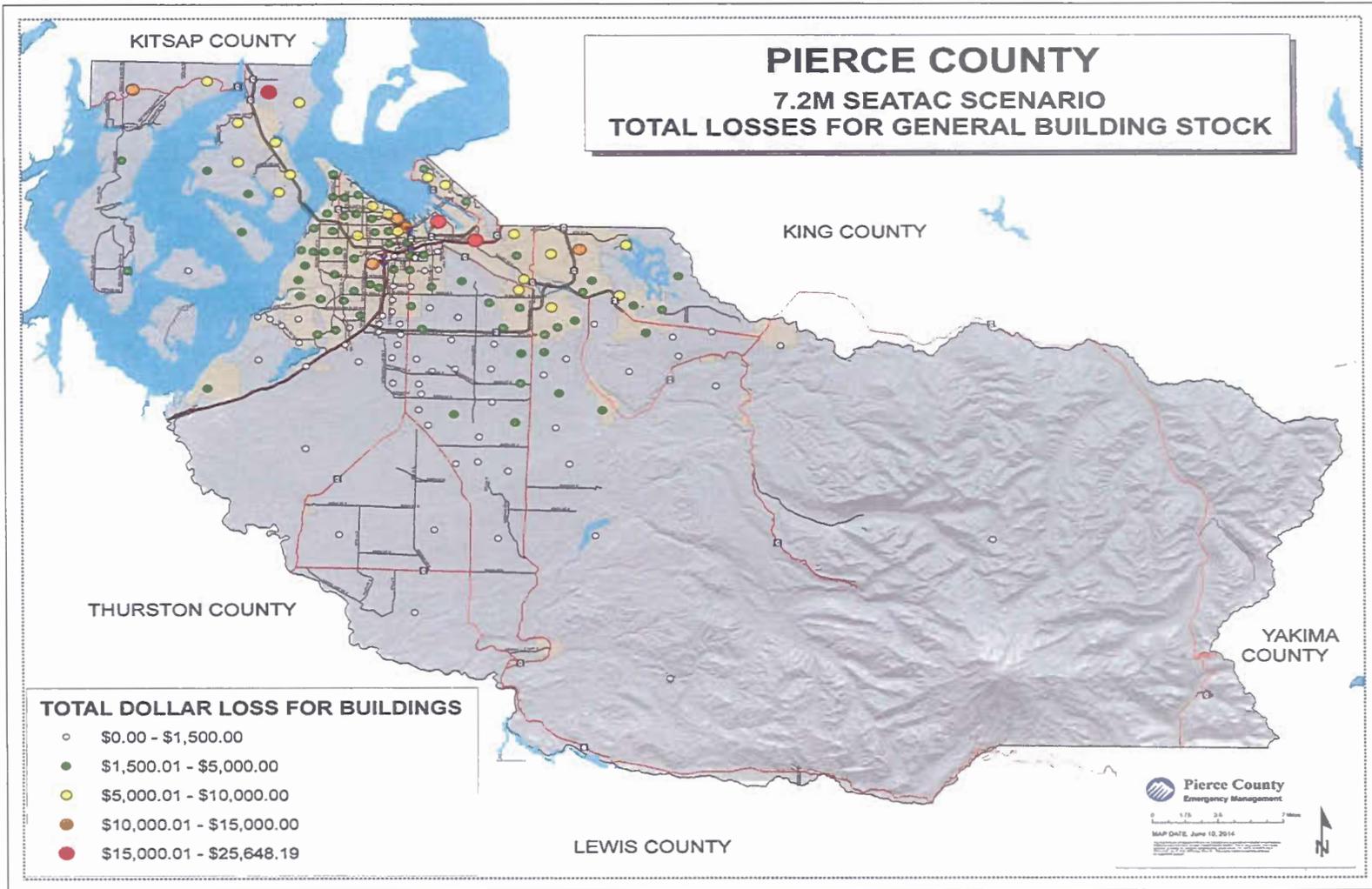
Map D-23 Pierce County Nisqually Fault Scenario Schools Functionality Day 1 Map



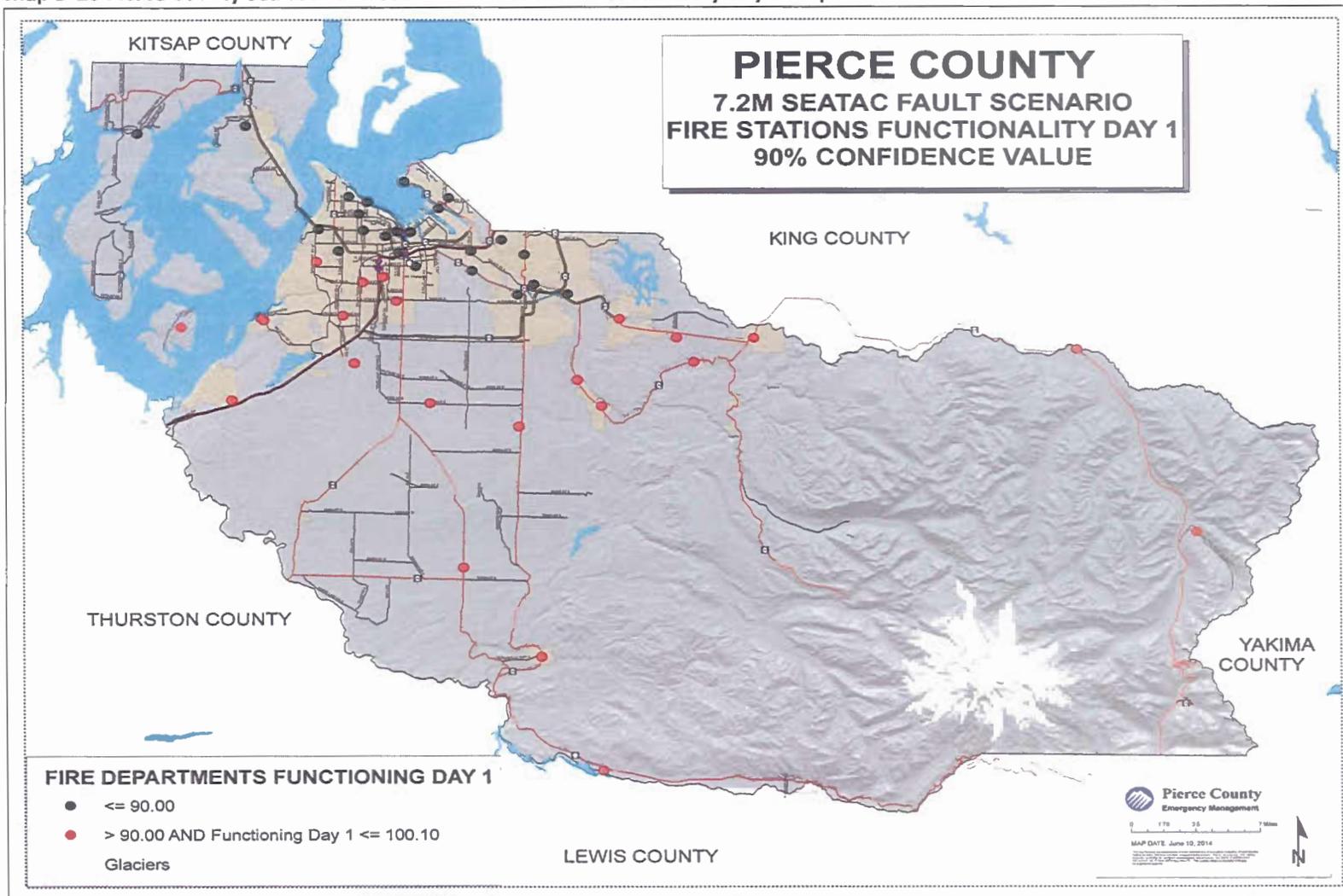
Map D-24 Pierce County Nisqually Fault Scenario Schools Functionality Day 7 Map



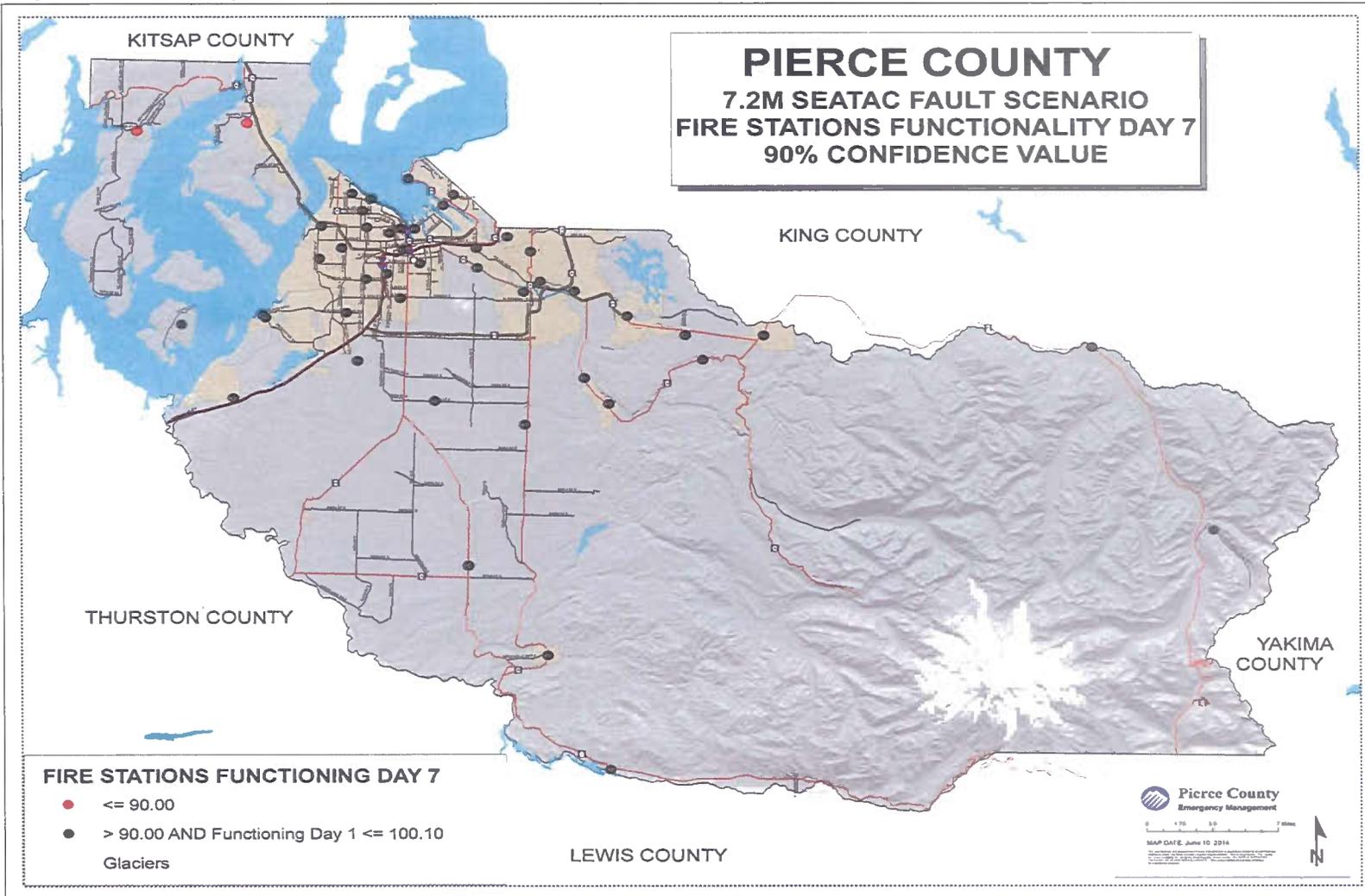
Map D-25 Pierce County Sea Tac Fault Scenario Total Losses Map



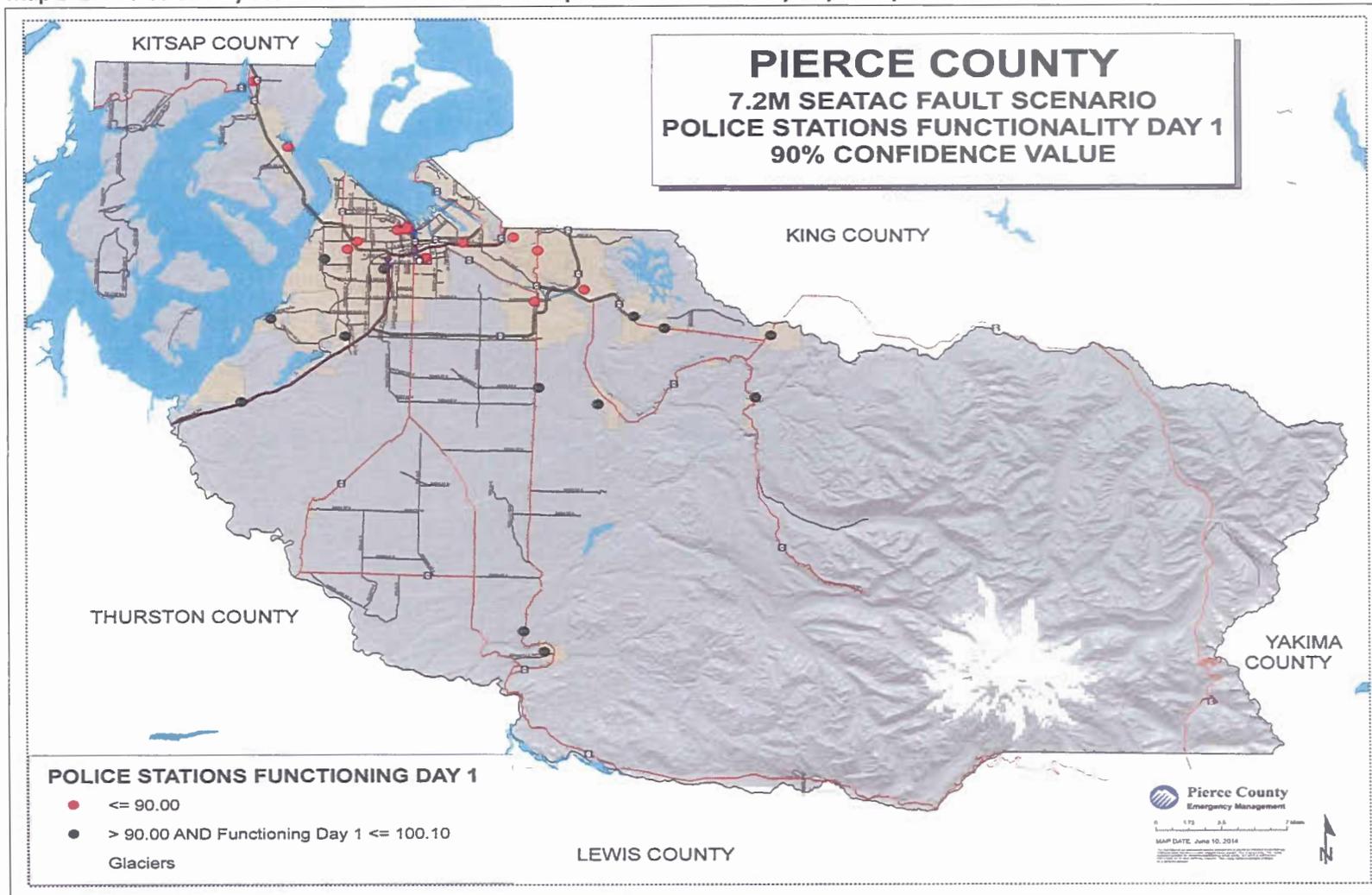
Map D-26 Pierce County Sea Tac Fault Scenario Fire Stations Functionality Day 1 Map



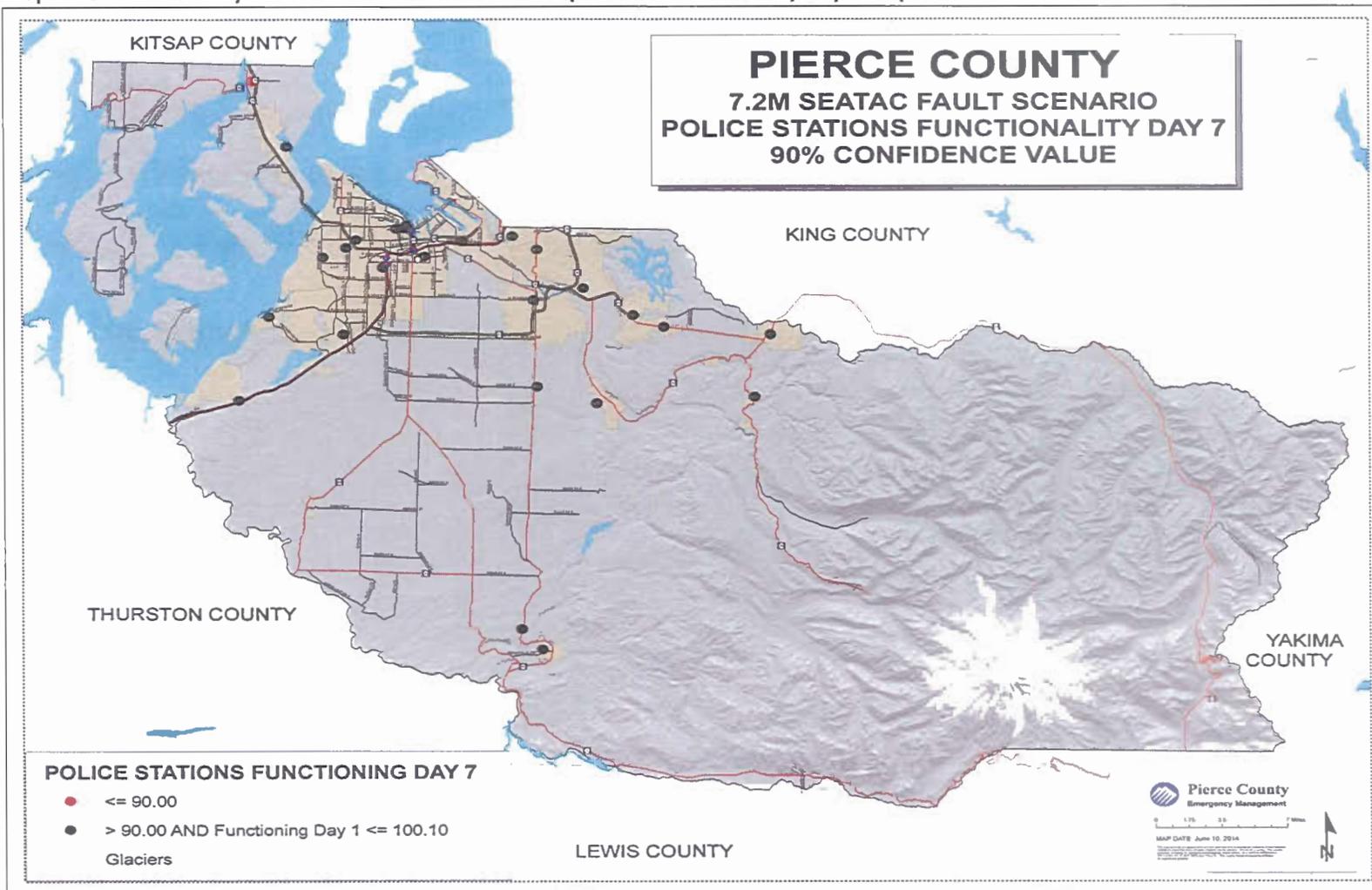
Map D-27 Pierce County Sea Tac Fault Scenario Fire Stations Functionality Day 7 Map



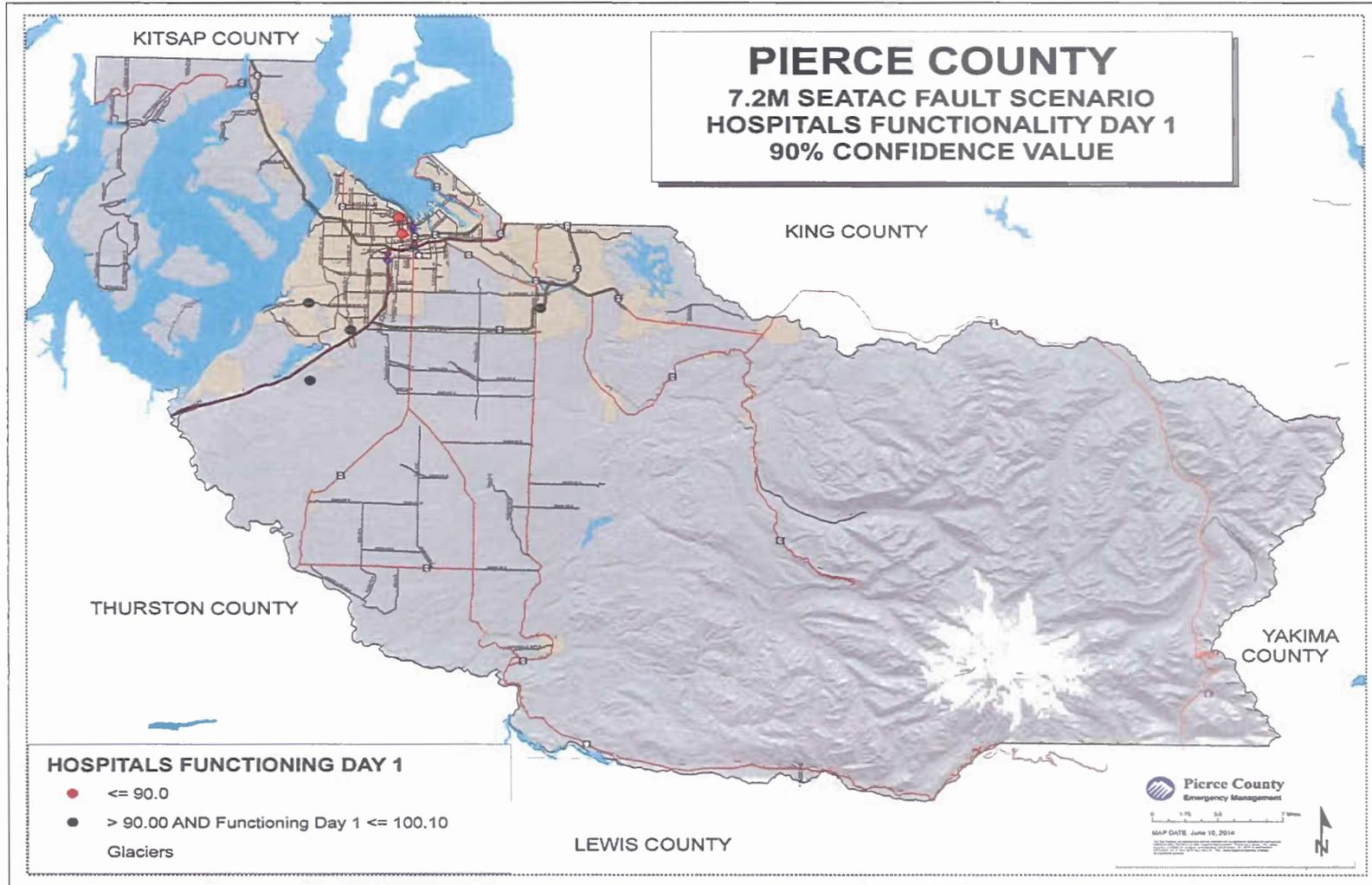
Map D-28 Pierce County Sea Tac Fault Scenario Police Department Functionality Day 1 Map



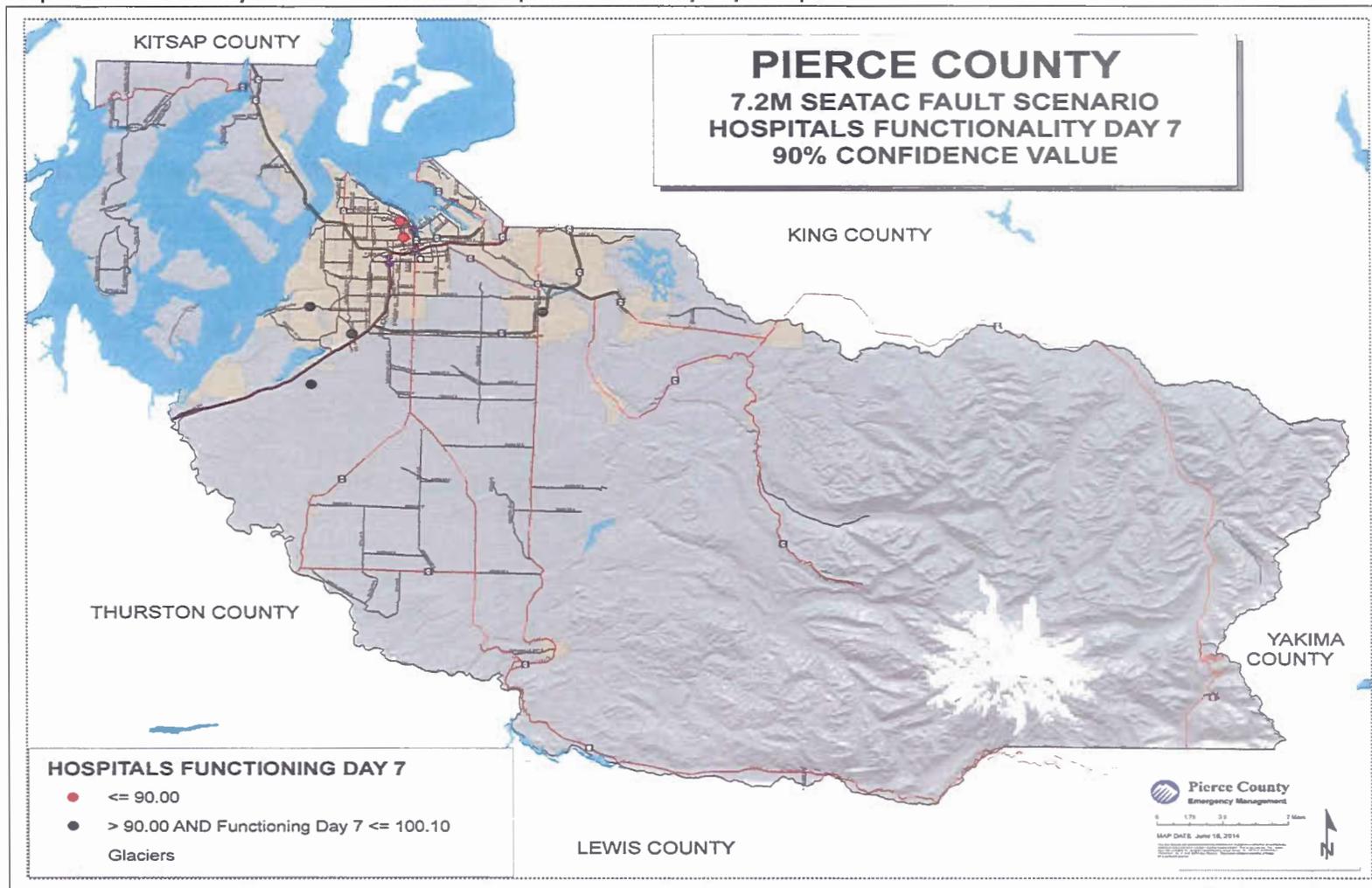
Map D-29 Pierce County SEATAC Fault Scenario Police Department Functionality Day 7 Map



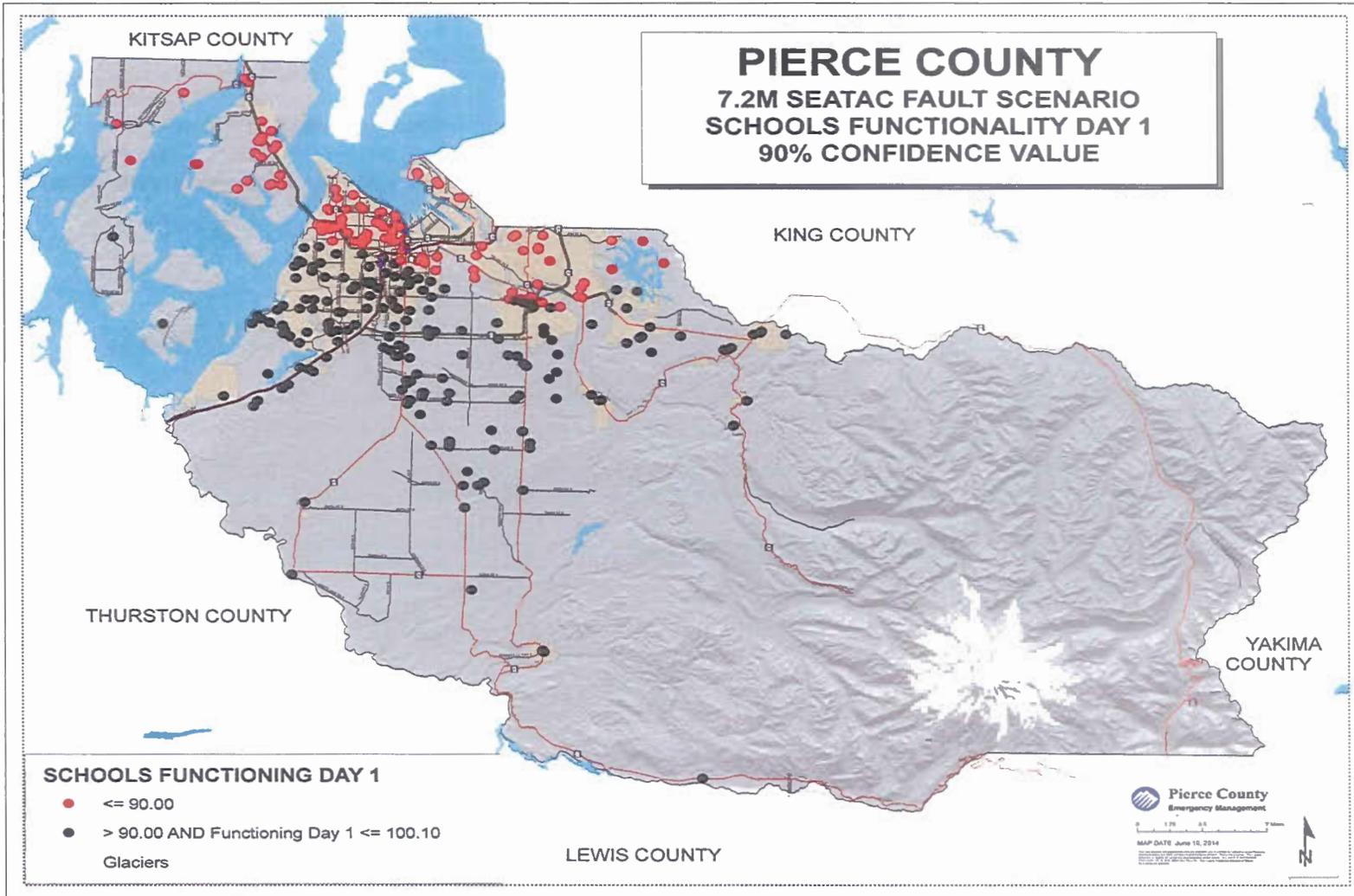
Map D-30 Pierce County Sea Tac Fault Scenario Hospital Functionality Day 1 Map¹²



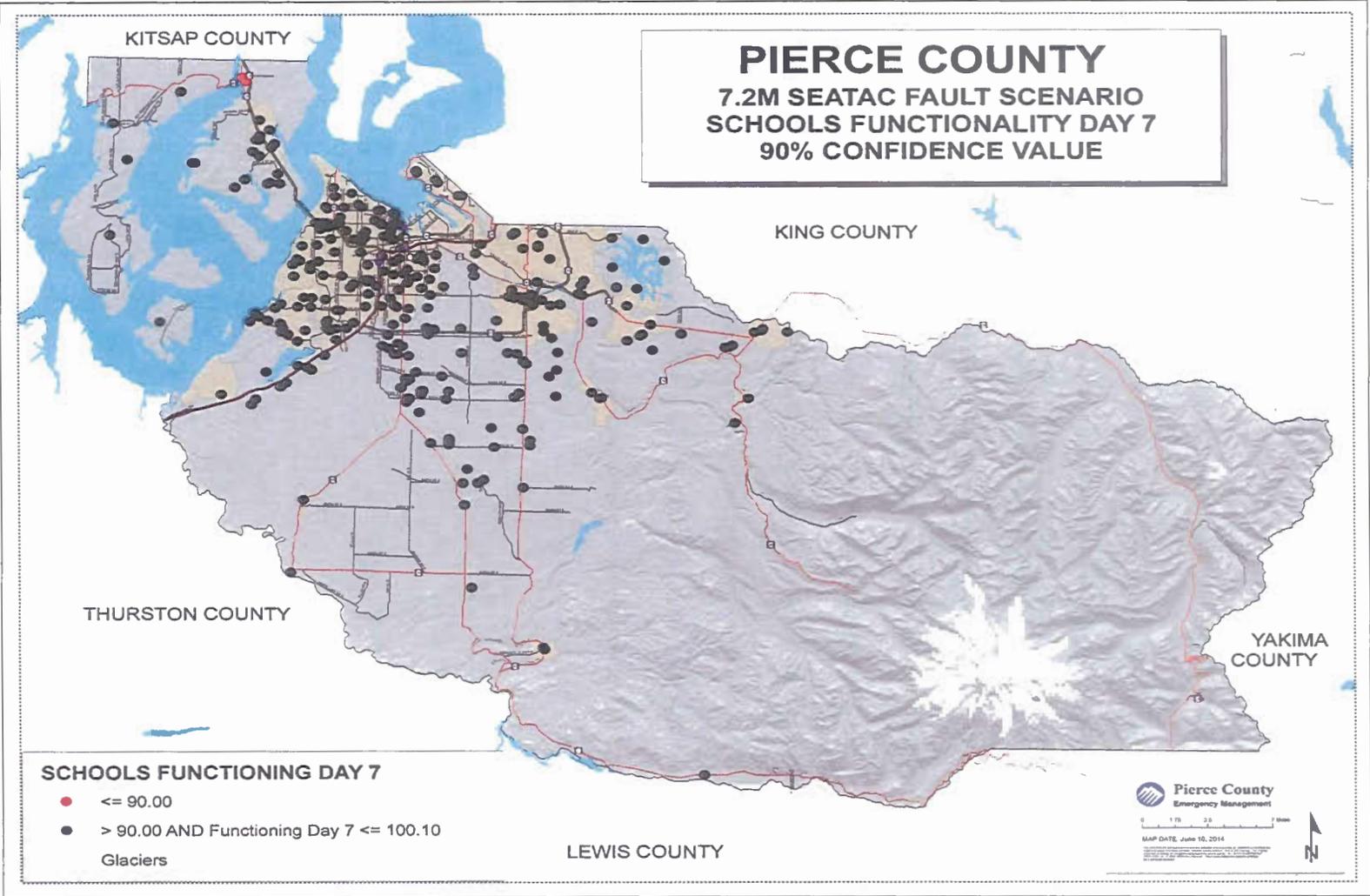
Map D-31 Pierce County Sea Tac Fault Scenario Hospital Functionality Day 7 Map¹³



Map D-32 Pierce County Sea Tac Fault Scenario Schools Functionality Day 1 Map



Map D-33 Pierce County Sea Tac Fault Scenario Schools Functionality Day 7 Map



Endnotes

¹ The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

² The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

³ The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

⁴ The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

⁵ The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

⁶ The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

⁷ The location of the police station is not in the correct location. The correct location is a shared building with the Fire District #18 in the middle of town.

⁸ St. Anthony's Hospital is not included on the map due to the recent construction of the hospital lack of data at the time the analysis was done.

⁹ St. Anthony's Hospital is not included on the map due to the recent construction of the hospital lack of data at the time the analysis was done.

¹⁰ St. Anthony's Hospital is not included on the map due to the recent construction of the hospital lack of data at the time the analysis was done.

¹¹ St. Anthony's Hospital is not included on the map due to the recent construction of the hospital lack of data at the time the analysis was done.

¹² St. Anthony's Hospital is not included on the map due to the recent construction of the hospital lack of data at the time the analysis was done.

¹³ St. Anthony's Hospital is not included on the map due to the recent construction of the hospital lack of data at the time the analysis was done.



City of Orting
City Council Staff Report

Date: July 23, 2015

Prepared By: Mark Bethune

Agenda Item: Planning Commissioner Removal

Issue Synopsis:	The Planning Commission is recommending to Council the removal of Commissioner Jami Moeller for “neglect of duty” due to non-attendance.
Background:	First meeting attended after confirmation by the council was October 6, 2014. Last Planning Commission meeting attended was January 2015. Commissioner Moeller missed the February, March and April meetings. All three (3) were excused absences. May, June and July meeting were not attended and Moeller made no contact with the Commission Chair Jennifer Sargent nor to the Planning Secretary. Commissioners Cochran and Dannat both attempted contact through texting or Facebook. Planning Secretary Buttz attempted contact through email, telephone, a written letter as well as electronically sending the monthly meeting packets. To date there has been no response from Commissioner Moeller.
Policy Options:	Approve Mayor’s removal from office; non-approval of Mayor’s action; remand back to Planning Commission.
Analysis:	OMC 2-1-3: VACANCIES; REMOVAL FROM OFFICE: Vacancies occurring otherwise than through the expiration of terms shall be filled for unexpired terms. Members may be removed, after public hearing, by the mayor, with the approval of the city council, for inefficiency, neglect of duty or malfeasance in office. (Ord. 641, 4-14-1994)
Fiscal Impact:	Fund(s): NA Expenditure Required: NA Amount Budgeted: NA Additional Appropriation Required: NA
Policy Questions:	See above
Mayor Pestinger’s Action	Removal of Commissioner Moeller from the Planning Commission.
Planning Commission Recommendation:	Remove Commissioner Moeller
Attachments:	Planning Commission minutes.

City of Orting
PLANNING COMMISSION MINUTES
July 6, 2015

Chair Jennifer Sargent called the meeting to order with the flag salute at 7:00 pm at the Public Safety Building. Roll call found Commissioners Greg Hogan, Brandon Hoyt, Aaron Willits and Kelly Cochran in attendance. Commissioners Arlene Dannat and Jamie Moeller were absent. Commissioner Dannat had contacted the Planning Commission Secretary and there was no contact from Commissioner Moeller.

Commissioner Cochran moved to excuse Commissioner Dannat. Commissioner Willits seconded the motion and it carried.

ATTENDANCE:

City	City Administrator Mark Bethune, Planning Secretary Margaret O'Harra Buttz
Professional Representatives	
Visitors	Barbara Ford

AGENDA APPROVAL:

Commissioner Hogan moved to approve the agenda as presented. Commissioner Cochran seconded the motion and it carried.

AUDIENCE PARTICIPATION:

None.

MINUTES:

Minutes of June 1, 2015	Commissioner Hogan moved to approve June 1, 2015 minutes as presented. Commissioner Willits seconded the motion and it carried.
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ARCHITECTURAL DESIGN REVIEW:

Public Safety Building: Paint Color	Administration Bethune presented the proposed color for a portion of the Public Safety Building repainting. Commissioner Cochran moved to approve the color Victoria Red from the approved ADR color samples. Commissioner Hoyt seconded the motion and it carried.
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NEW BUSINESS:

OMC Review: Livestock – Title 6, Chapters 3B-1 thru 3B-7	Commissioners were presented with the current Orting code and copies of code from several other cities. Commissioner Hoyt will present revised code for discussion at the August meeting.
Urban Agricultural Zone: Review	Administrator Bethune provided a summary of the proposed Comprehensive Plan update to address Urban Agricultural Zoning. Commissioners will review the document in preparation for Planner Wagoner's attendance at the August meeting. The Public Hearing for the update will not occur before the September meeting.

Commissioner Attendance: Commissioner Moeller is absent with no contact for the third consecutive month
Removal of commissioner and the last meeting she attended was January 2015. Although several prior
for nonattendance attempts to reach Commissioner Moeller had failed to obtain a response, the
Planning Commission Secretary did write a letter to Commissioner Moeller to
inquire about her desire to remain on the Planning Commission. There has been
no response from the letter and the letter was not returned as undeliverable.

Commissioner Hoyt moved to recommend to the Mayor that Commissioner Jami
Moeller be removed from the Planning Commission, due to lack of attendance.
Commissioner Willits seconded the motion and it carried.

The Planning Secretary will write to Commissioner Moeller informing her that of the
commission action and that the council will hold a public hearing at the July 29th
meeting regarding her removal from the commission. The secretary will inform
Commission Moeller that a letter of resignation may be submitted at any time prior
to the July 29th meeting.

OLD BUSINESS:

None.

GOOD OF THE ORDER:

Report for June Council
Meetings: Administrator Bethune and Commissioner Hogan gave brief reports for June
meetings.

Representation at the
July 10th Council Meeting: Commissioner Hoyt will attend.

Report for June CGA
Meeting: Commissioner Hogan and Councilmember Ford gave a brief summary of the
meeting.

Agenda Setting:
August 3, 2015

- ADR: United Methodist Church Signage
- ADR: Sign Code Update from attorney
- ADR: Food Mart Signage
- ADR: ATC Construction Signage
- OMC: Review Livestock Title 6, Chapters 3B-1 thru 3B-7
- Urban Agricultural Zoning

ADJOURNMENT:

Meeting Adjournment
Commissioner Willits moved to adjourn at 8:13pm. Commissioner Cochran
seconded the motion and it carried.

ATTEST:

Chair Jennifer Sargent

Secretary Margaret O’Harra Buttz



City of Orting
City Council Staff Report

Date: July 22, 2015

Prepared By: Mark Bethune

Agenda Item: Police Officer staffing increase – financial considerations

Issue Synopsis:	The Council is considering increasing the number of police officers
Background:	The current financial resources available to the city will not support the hiring of another police officer. The Public Safety Committee has been researching revenue strategies that support increasing the number of officers by one to three more than current staffing. The City Councilmembers have voiced a desire that any increase in taxes or fees be put to a vote of the citizens.
Policy Options:	Approve, amend, deny
Analysis:	See attached financial analysis. The City is limited in its taxing authority to 1) Property Tax levy increase, 2) B&O Taxes on power and communications, 3) B&O tax on business, 4) Utility taxes on Water, Wastewater, Stormwater and garbage services. The Public Safety Committee is recommending two options. 1) Property Tax increase from \$1.60 to \$2.30 affective 1/1/16; 2) The same property tax increase broken out over 3 years. They have agreed to put to Council an administration recommendation of a utility tax of 11.4%. If council desires to take a tax increase to a vote in November, the ballot measure must be forwarded to the County Auditor by August 4 th . The Council must also choose “for and against” committees by August 7 th . The Council could delegate this task to the Mayor.
Fiscal Impact:	Fund(s): General Fund Expenditure Required: NA for 2015. There will be no increase in election expense due to Councilmember races. Amount Budgeted: NA for 2015 Additional Appropriation Required: NA for 2015
Policy Questions:	See above
Staff Recommendation:	None
Recommendation:	None
Attachments:	Financial Analysis of revenue sources, comparable with other cities for police staffing, tax comparable with other cities, three resolutions

**CITY OF ORTING
WASHINGTON
RESOLUTION NO. 2015-10**

**A RESOLUTION OF THE CITY OF ORTING,
WASHINGTON, PROVIDING FOR THE SUBMISSION TO
THE QUALIFIED ELECTORS OF THE CITY AT AN
ELECTION TO BE HELD ON NOVEMBER 3, 2015, OF A
PROPOSITION AUTHORIZING THE CITY TO LIFT THE
LEVY LIMIT ESTABLISHED IN RCW 84.55.010 TO
PROVIDE FUNDS TO PAY COSTS OF PUBLIC SAFETY
SERVICES INCLUDING ADDITIONAL POLICE
DEPARTMENT PERSONNEL AND EQUIPMENT**

WHEREAS, the City Council of the City of Orting, Washington finds it is in the public interest of the City to increase the current funding level of the Orting Police Department in order to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week, and purchase police equipment to provide for the general health, safety and welfare of the community; and

WHEREAS, RCW 84.55.050 authorizes the voters of a city to authorize an increase above the levy limitations established under RCW 84.55.010; and

WHEREAS, in order to provide all or part of the funds necessary to accomplish such purposes, the City Council finds it necessary, proper and advisable that the City increase its property tax levy to the rate of \$2.30 (which is an increase of \$.70) per \$1,000 of assessed value; and

WHEREAS, the City Council desires to increase the tax levy rate to \$2.30 per \$1,000 of assessed value in 2016 and thereafter to hire additional police officers and purchase Police Department equipment to support those officers; and

WHEREAS, by law, the proposition of whether the City may increase its property tax rate as described herein must be submitted to the registered voters of the City for their ratification or rejection; and

WHEREAS, the conditions here and above set forth require the submission of the proposition to the qualified voters of the City of Orting at an election to be held on November 3, 2015;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. Findings. The City Council finds it is in the best interests of the residents and businesses of the City of Orting to increase City public safety services by providing more funds to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week, and purchase police equipment in order to improve public health and safety in the City of Orting.

Section 2. Levy of Additional Regular Property Taxes. It is hereby found and declared that the best interests of the City require the submission to the qualified electors of the City of Orting a proposition regarding whether the City shall levy regular property taxes above the levy limitations established in RCW 84.55.010 for their ratification or rejection at an election to be held on November 3, 2015. The Pierce County Auditor, as ex officio supervisor of elections in Pierce County, Washington, is hereby requested to call and conduct such election to be held within the City on such day and to submit to the qualified electors of the City for their approval or rejection a proposition to increase the City's regular property tax levy by \$0.70 per \$1,000 of assessed value (to a total rate not to exceed \$2.30 per \$1,000 of assessed value) for collection in 2016, and thereafter. The City requests that the Pierce County Auditor call and conduct this election to be held by all mail-in ballot within the City and submit to the City's voters the proposition in substantially the form set forth below.

Upon approval of the voters of the proposition hereinafter set forth, the City may use proceeds of such levy for the purpose of paying for the hire of three additional police officers, increasing the hours of the Police Clerk from 32 hours to 40 hours a week, and purchasing police equipment. The City Clerk is hereby authorized and directed to certify the following proposition to the Pierce County Auditor, as ex officio supervisor of elections in Pierce County, Washington, in substantially the following form.

CITY OF ORTING, WASHINGTON

PROPOSITION 1

**LEVY TO HIRE ADDITIONAL POLICE DEPARTMENT PERSONNEL AND
PURCHASE EQUIPMENT**

The City of Orting, Washington adopted Resolution No. proposing to increase the City's regular property tax levy.

This proposition would increase the City's regular property tax levy by \$0.70/\$1,000 of assessed value to a rate not to exceed \$2.30/\$1,000 of assessed value for collection in 2016, and each year thereafter as permitted in RCW 84.55, in order to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week and purchase police equipment.

Should this proposition be:

APPROVED? _____
REJECTED? _____

Section 3. Minor Adjustments. The Mayor and City Attorney are authorized to make such minor adjustments to the wording of such proposition as may be recommended by the Pierce County Auditor as long as the intent of the proposition remains clear and consistent with the intent of this Resolution as approved by the City Council.

Section 4. Effective Date. This resolution will take effect from and after its adoption as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, AT AN OPEN PUBLIC MEETING THEREOF HELD THIS ____ DAY OF ____, 2015.

CITY OF ORTING

Joachim Pestinger, Mayor

ATTEST/AUTHENTICATED:

Rachel Pitzel, City Clerk

Approved as to form:

John P. Long, Jr.
Kenyon Disend, PLLC
City Attorney

Filed with the City Clerk:
Passed by the City Council:
Resolution No.:
Date Posted:

**CITY OF ORTING
WASHINGTON
RESOLUTION NO. 2015-11**

**A RESOLUTION OF THE CITY OF ORTING,
WASHINGTON, PROVIDING FOR THE SUBMISSION TO
THE QUALIFIED ELECTORS OF THE CITY AT AN
ELECTION TO BE HELD ON NOVEMBER 3, 2015, OF A
PROPOSITION AUTHORIZING THE CITY TO LIFT THE
LEVY LIMIT ESTABLISHED IN RCW 84.55.010 TO
PROVIDE FUNDS TO PAY COSTS OF PUBLIC SAFETY
SERVICES INCLUDING ADDITIONAL POLICE
DEPARTMENT PERSONNEL AND EQUIPMENT.**

WHEREAS, the City Council of the City of Orting, Washington finds it is in the public interest of the City to increase the current funding level of the Orting Police Department in order to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week, and purchase police equipment to provide for the general health, safety and welfare of the community; and

WHEREAS, RCW 84.55.050 authorizes the voters of a city to authorize an increase above the levy limitations established under RCW 84.55.010; and

WHEREAS, in order to provide all or part of the funds necessary to accomplish such purposes, the City Council finds it necessary, proper and advisable that the City increase its property tax levy over a period of three years to the rate of \$2.30 (which is a total increase of \$.70) per \$1,000 of assessed value; and

WHEREAS, the City Council desires to increase the tax levy rate over a period of three years to \$2.30 per \$1,000 of assessed value in 2016 and thereafter to hire additional police officers and purchase Police Department equipment to support those officers; and

WHEREAS, by law, the proposition of whether the City may increase its property tax rate as described herein must be submitted to the registered voters of the City for their ratification or rejection; and

WHEREAS, the conditions here and above set forth require the submission of the proposition to the qualified voters of the City of Orting at an election to be held on November 3, 2015;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. Findings. The City Council finds it is in the best interest of the residents and businesses of the City of Orting to increase City public safety services by providing more funds to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week, and purchase police equipment in order to improve public health and safety in the City of Orting.

Section 2. Levy of Additional Regular Property Taxes. It is hereby found and declared that the best interests of the City require the submission to the qualified electors of the City a proposition whether the City shall levy regular property taxes above the levy limitations established in RCW 84.55.010 for their ratification or rejection at an election to be held on November 3, 2015. The Pierce County Auditor, as ex officio supervisor of elections in Pierce County, Washington, is hereby requested to call and conduct such election to be held within the City on such day and to submit to the qualified electors of the City for their approval or rejection a proposition to increase the City's regular property tax levy by \$0.70 per \$1,000 of assessed value over the course of three years (to a total rate not to exceed \$2.30 per \$1,000 of assessed value) for collection in 2018, and thereafter. The rate would increase from \$1.60 to \$1.84 beginning on January 1, 2016, from \$1.84 to \$2.10 in 2017, and from \$2.10 to \$2.30 in 2018. The City requests that the Pierce County Auditor call and conduct this election to be held by all mail-in ballot within the City and submit to the City's voters the proposition in substantially the form set forth below.

Upon approval of the voters of the proposition hereinafter set forth, the City may use proceeds of such levy for the purpose of paying for the hire of three additional police officers, increasing the hours of the Police Clerk from 32 hours to 40 hours a week, and purchasing police equipment. The City Clerk is hereby authorized and directed to certify the following proposition to the Pierce County Auditor, as ex officio supervisor of elections in Pierce County, Washington, in substantially the following form.

CITY OF ORTING, WASHINGTON

PROPOSITION 1

**LEVY TO HIRE ADDITIONAL POLICE DEPARTMENT PERSONNEL AND
PURCHASE EQUIPMENT**

The City of Orting, Washington adopted Resolution No. proposing to increase the City's regular property tax levy over the course of three years to a rate not to exceed \$2.30/\$1,000 of assessed value for collection in 2018.

This proposition would increase the City's regular property tax levy by \$0.70/\$1,000 of assessed value to hire three additional police officers, increase Police Clerk's hours to 40 hours a week and purchase equipment. The rate would increase from \$1.60 to \$1.84 beginning on January 1, 2016, \$1.84 to \$2.10 in 2017, and \$2.10 to \$2.30 in 2018 and authorize the use of the 2018 levy amount as the base for computing levies in each year thereafter.

Should this proposition be:

APPROVED? _____
REJECTED? _____

Section 3. Minor Adjustments. The Mayor and City Attorney are authorized to make such minor adjustments to the wording of such proposition as may be recommended by the Pierce County Auditor as long as the intent of the proposition remains clear and consistent with the intent of this Resolution as approved by the City Council.

Section 4. Effective Date. This resolution will take effect from and after its adoption as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, AT AN OPEN PUBLIC MEETING THEREOF HELD THIS ____ DAY OF ____, 2015.

CITY OF ORTING

Joachim Pestinger, Mayor

ATTEST/AUTHENTICATED:

Rachel Pitzel, City Clerk

Approved as to form:

John P. Long, Jr.
Kenyon Disend, PLLC
City Attorney

Filed with the City Clerk:
Passed by the City Council:
Resolution No.:
Date Posted:

**CITY OF ORTING
WASHINGTON
RESOLUTION NO. 2015-12**

**A RESOLUTION OF THE CITY OF ORTING,
WASHINGTON, PROVIDING FOR THE SUBMISSION TO
THE QUALIFIED ELECTORS OF THE CITY AT AN
ELECTION TO BE HELD ON NOVEMBER 3, 2015, OF A
PROPOSITION AUTHORIZING THE CITY TO ADOPT A
TAX ON WATER, WASTE WATER AND STORM WATER
UTILITIES TO PROVIDE FUNDS TO PAY COSTS OF
PUBLIC SAFETY SERVICES INCLUDING POLICE
DEPARTMENT PERSONNEL AND EQUIPMENT.**

WHEREAS, the City Council of the City of Orting, Washington finds it is in the public interest of the City to increase the current funding level of the Orting Police Department in order to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week, and purchase police equipment to provide for the general health, safety and welfare of the community; and

WHEREAS, RCW 35A.11.020 authorizes a city to impose taxes upon gross revenues earned by utility service providers within its jurisdictional boundaries; and

WHEREAS, the City desires to impose a utility tax upon water, waste water and storm water utilities; and

WHEREAS, it is the intent of the City Council to impose such a utility tax for the purpose of increasing funding for the Police Department to address the need for additional public safety personnel; and

WHEREAS, in order to provide all or part of the funds necessary to accomplish such purposes, the City Council finds it necessary, proper and advisable that the City impose a tax upon water, waste water and storm water utilities at a rate of 11.4% on their total gross revenue, beginning on January 1, 2016; and

WHEREAS, the City Council desires to impose this tax to hire additional police officers and purchase Police Department equipment to support those officers; and

WHEREAS, the City Council desires that the proposition of whether the City may impose a tax upon water, waste water and storm water utilities be submitted to the qualified voters of the City for their ratification or rejection; and

WHEREAS, the conditions here and above set forth require the submission of the proposition to the qualified voters of the City of Orting at an election to be held on November 3, 2015;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. Findings. The City Council finds it is in the best interest of the residents and businesses of the City of Orting to increase City public safety services by providing more funds to hire three additional police officers, increase the hours of the Police Clerk from 32 hours to 40 hours a week, and purchase police equipment in order to improve public health and safety in the City of Orting.

Section 2. Creation of Utility Taxes. It is hereby found and declared that it is in the best interests of the City to submit to the qualified electors of the City the proposition of whether the City shall impose a tax upon the total gross revenue of water, waste water and storm water utilities at a rate of 11.4%, beginning on January 1, 2016, for their ratification or rejection at an election to be held on November 3, 2015. The Pierce County Auditor, as ex officio supervisor of elections in Pierce County, Washington, is hereby requested to call and conduct such election to be held within the City on such day and to submit to the qualified electors of the City for their approval or rejection a proposition to impose a tax upon water, waste water and storm water utilities at a rate of 11.4%, beginning on January 1, 2016. Upon approval of the voters of the proposition hereinafter set forth, the City may use proceeds of such tax for the purpose of paying for the hire of three additional police officers, increasing the hours of the Police Clerk from 32 hours to 40 hours a week, and purchasing police equipment.

Section 3. Ballot Measure. The City shall submit the proposition to the electorate of the City of Orting in substantially the form set forth in Exhibit A, with an explanatory statement substantially in the form set forth in Exhibit B. The City Clerk is hereby authorized and directed to provide to the Pierce County Auditor, as ex officio supervisor of elections in Pierce County, Washington, a certified copy of this resolution together with a ballot proposition and explanatory statement in substantially the forms attached hereto, for inclusion in the general election to be held by all mail-in ballot within the City on November 3, 2015.

Section 4. Minor Adjustments. The Mayor and City Attorney are authorized to make such minor adjustments to the wording of such proposition as may be recommended by the Pierce County Auditor as long as the intent of the proposition remains clear and consistent with the intent of this Resolution as approved by the City Council.

Section 5. Effective Date. This Resolution will take effect from and after its adoption as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF ORTING, WASHINGTON, AT
AN OPEN PUBLIC MEETING THEREOF HELD THIS ____ DAY OF ____, 2015.

CITY OF ORTING

Joachim Pestinger, Mayor

ATTEST/AUTHENTICATED:

Rachel Pitzel, City Clerk

Approved as to form:

John P. Long, Jr.
Kenyon Disend, PLLC
City Attorney

Filed with the City Clerk:
Passed by the City Council:
Resolution No.:
Date Posted:

EXHIBIT A

CITY OF ORTING, WASHINGTON
PROPOSITION _

11.4% Tax on Utility Company Earnings for Police Services

The City of Orting adopted Resolution No. _____ asking voters to consider approving additional revenue to be dedicated for police services in the City. If approved by voters, Proposition No. __ would authorize the City to levy a tax equal to 11.4% of the total gross revenue of water, waste water and storm water utility companies operating in the City, to the extent allowed by law, for the sole purpose of maintaining and enhancing police services in Orting.

Should Proposition No. __ be:

APPROVED? _____
REJECTED? _____

EXHIBIT B

Election Date: November 3, 2015
Name of Jurisdiction Submitting Measure: City of Orting
Contact Name: Mark Bethune
Daytime Contact Phone Number: (360) 893-2219

EXPLANATORY STATEMENT – PROPOSITION NO. __

The City of Orting currently dedicates a larger portion of the City's tax revenue to public safety. However, based on current revenue trends and the City's growing need for public safety personnel, the City cannot adequately maintain and enhance police staffing levels and equipment without additional revenue. The City is seeking to create a more sustainable source of revenue for the Police Department through voter approval of an 11.4% tax on the total gross revenue of utility companies who provide water, waste water and storm water services in Orting. If approved by voters, the new revenue will be restricted for the sole purpose of hiring three additional police officers, increasing the hours of the Police Clerk from 32 hours to 40 hours a week, and purchasing police equipment. The City estimates that this additional tax would cost a household with \$95.00 per month in utility expenses an additional \$11.67 per month.

Financial Considerations to Increase the Police Department Staffing

- Consider increase from 11.00 officers to 14 officers.
- Increase the Police Clerk from .75 time to full time.
- Cost per officer including all incidentals is approximately \$124,000.
- Additional cost of the Police Clerk is \$11,000.

Proposal 1: 11 to 12 officers: \$124,000 - \$10,000 in OT = \$114,000 additional expense

Proposal 2: 11 to 13 officers: \$248,000 + \$11,000 = \$259,000 - \$20,000 OT = \$239,000

additional Expense

Proposal 3: 11 to 14 officers: \$372,000 + 11,000 = 321,000 - \$30,000 OT = \$353,000

additional expense

Regardless of how it is broken out or divided amongst the options below, the average Orting Citizen will have to pay \$50/year more per new officer. 14 officers will cost the average citizen \$140/year in some form of increased taxes.

Types of Revenue Sources Allowable for Code Cities

1. Property Tax levy lift
2. B&O Tax on Power and Communication Services
3. Utility Tax on Sewer, Water, and Stormwater
4. Utility Tax on Garbage Services

Financial Alternatives:

Proposal 1: Increase officers from 11 to 12.

1. Property Tax Lid Lift – Requires Election
Increase 2015 rate of \$1.60/1000 to \$1.84/1000
Home assessed at \$200,000 will pay an annual increase of approx. \$50
Net Revenue = **\$115,000**
2. B&O Tax on Communications and Power – Requires an Election
Increase tax rate from 6% to 7.4%
Average annual increase per household is approx. \$50 or \$4/month
Net Revenue = **\$115,000**
3. Utility Tax - by Council action or election
Tax Water, Sewer and Stormwater rates at 4%
Increase annual utility bills approx. \$50 or \$4/month

Net Revenue = **\$115,000**

4. Garbage Service Utility Tax – by Council action or election
Tax Garbage service 17%
Increases the average home owner bill \$4/month or about \$50 annually
Net Revenue = **\$115,000**

Proposal 2: Increase Officers from 11 to 13

1. Property Tax Lid Lift – Requires Election
Increase 2015 rate of \$1.60/1000 to \$2.10/1000
Home assessed at \$200,000 will pay an annual increase of approx. \$100
Net Revenue = **\$240,000**
2. B&O Tax on Communications and Power – Requires an Election
Increase tax rate from 6% to 8.6%
Average annual increase per household is approx. \$100 or \$8/month
Net Revenue = **\$240,000**
3. Utility Tax - by Council action or election
Tax Water, Sewer and Stormwater rates at 8%
Increase annual utility bills approx. \$100 or \$8/month
Net Revenue = **\$240,000**
4. Garbage Service Utility Tax – by Council action or election
Tax Garbage service 34%
Increases the average home owner bill \$8/month or about \$100 annually
Net Revenue = **\$240,000**

Proposal 3: Increase Officers from 11 to 14

1. Property Tax Lid Lift – Requires Election
Increase 2015 rate of \$1.60/1000 to \$2.30/1000
Home assessed at \$200,000 will pay an annual increase of approx. \$140
Net Revenue = **\$350,000**
2. B&O Tax on Communications and Power – Requires an Election
Increase tax rate from 6% to 11.2%
Average annual increase per household is approx. \$140 or \$11.65/month
Net Revenue = **\$350,000**
3. Utility Tax - by Council action or election
Tax Water, Sewer and Stormwater rates at 11.4%
Increase annual utility bills approx. \$140 or \$11.65/month

Net Revenue = **\$350,000**

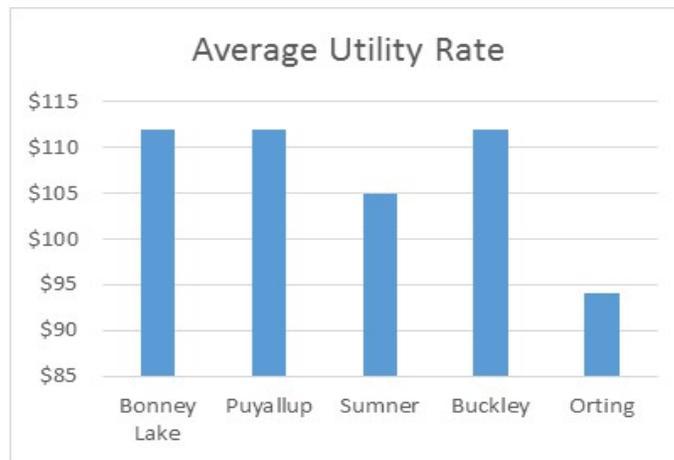
4. Garbage Service Tax – by Council action or election
Tax Garbage service 50%
Increases the average home owner bill \$11.65/month or about \$140 annually
Net Revenue = **\$350,000**

New Alternative – divide evenly amongst the 4 taxing strategies = \$350,000/Yr

1. Property Tax – increase from 1.60/1000 to 1.78/1000 = \$35/yr
2. B&O Tax on Communications and Power: increase tax from current 6% to 7.3% = \$2.91/mo.
3. Utility Tax: increase from 0 to 3% = \$2.91/month
4. Garbage Franchise Fee – from 0 to 12.5% = \$2.91/month

Association of Washington Cities - 2010 Tax and User Fee Survey

City Name	Utility Tax Rates									
	Natural Gas	Electricity	TeleCom	Cable		Garbage	Water	Sewer	Storm	
	Rate	Rate	Rate	Rate						
Bonney Lake	6%	6%	6%	6.50%		6%	8%	8%	8%	
Milton	6%	6%	6%	6%		6%	6%	6%	6%	
Orting	6%	6%	6%	6%		0%	0%	0%	0%	
Puyallup	5%	5%	6%	3.80%		8%	8%	8%	8%	
Sumner	5.25%	5.25%	5.25%	No		6%	6%	6%	6%	
Tacoma	6%	6%	6%	8%		8%	8%	8%	8%	
Steilacoom	6%	6%	6%	5%		6%	6%	6%	6%	



POLICE COMPARABLES

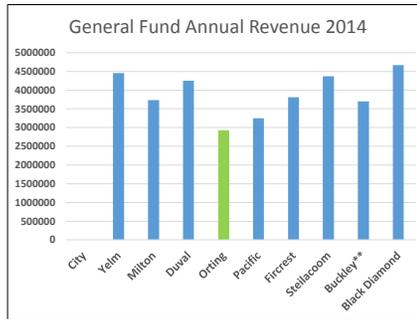
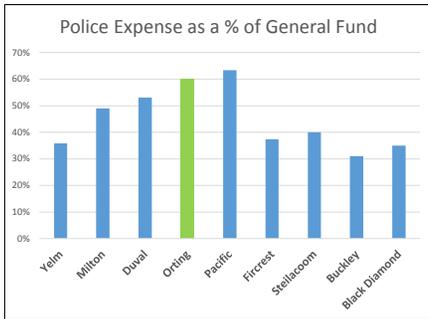
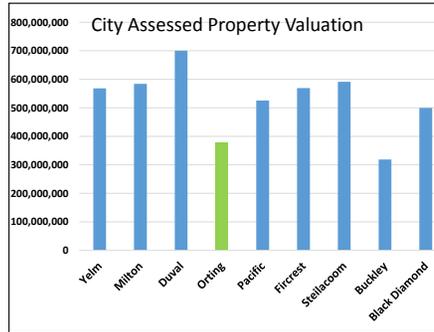
Police Comparables			2014 Rev	Beginning		Total	Police	Police % of	Police % of	Police	Percent of
City	Population	Valuation	General Fund	GF Reserve	Less Fire**	FTE's	FTE's	Total FTE	GenFundFTE's	Budget	General fund
Yelm	7,470	567,993,293	\$4,453,000	\$2,100,000	No	47	12	26%		\$1,595,574	36%
Milton	7,185	583,971,779	\$3,733,957	\$725,676	No	41	12	29%		\$1,827,172	49%
Duval	7,120	699,978,432	\$4,253,686	\$1,386,643	No	43	12	28%		\$2,256,484	53%
Orting	6,930	378,099,092	\$2,840,000	\$1,801,000	No	34	11	32%	68%	\$1,637,000	58%
Pacific	6,760	525,337,117	\$3,250,000	\$950,000	No	27	10	37%		\$2,057,000	63%
Fircrest	6,540	569,373,361	\$3,810,673	\$3,765,000	Yes	32	9	28%		\$1,425,456	37%
Stellacoom	6,040	591,241,028	\$4,367,533	\$4,097,784	Yes	44	9	20%		\$1,749,692	40%
Buckley*	4,370	318,871,406	3,700,000	\$6,200,000	Yes/Vol	34	9	26%		\$1,565,816	42%
Black Diamond	4,170	\$499,715,546	\$4,670,852	\$671,787	Yes	29	9	31%		\$1,632,382	35%
Average	6,287	526,064,562	\$3,897,745	\$2,410,877	NA	37	10	29%		\$1,749,620	45%

*General Fund Revenue does not include sale of Natural Gas facility for \$5.4 million which will go to the general fund

** If the City received funding and had expenses for Fire/EMS these amounts were subtracted out of the general fund revenue expected for 2014.

Comparables

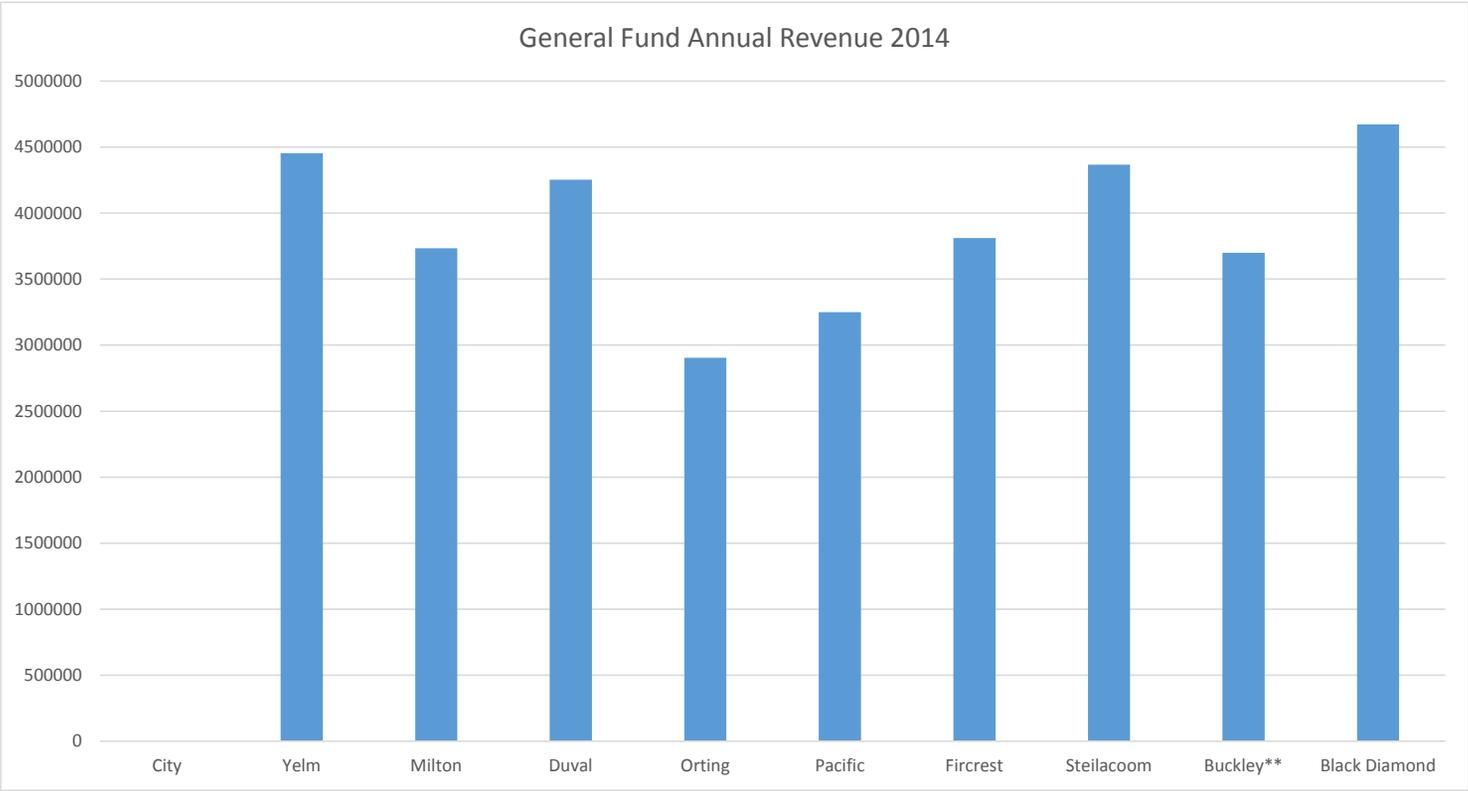
Orting Comparison to the average of the comparable cities	
Population:	9% higher
Valuation	28% Lower
General Fund Revenue	25% Lower
General Fund Reserves	25% Lower
FTE's	8% Lower
Police FTE's	Average
Police Budget	6.5% Lower
Police Budget as % of Revenue	21% Higher
Police Pay Step 1	6.5% Lower
Police Pay Top	11% Lower





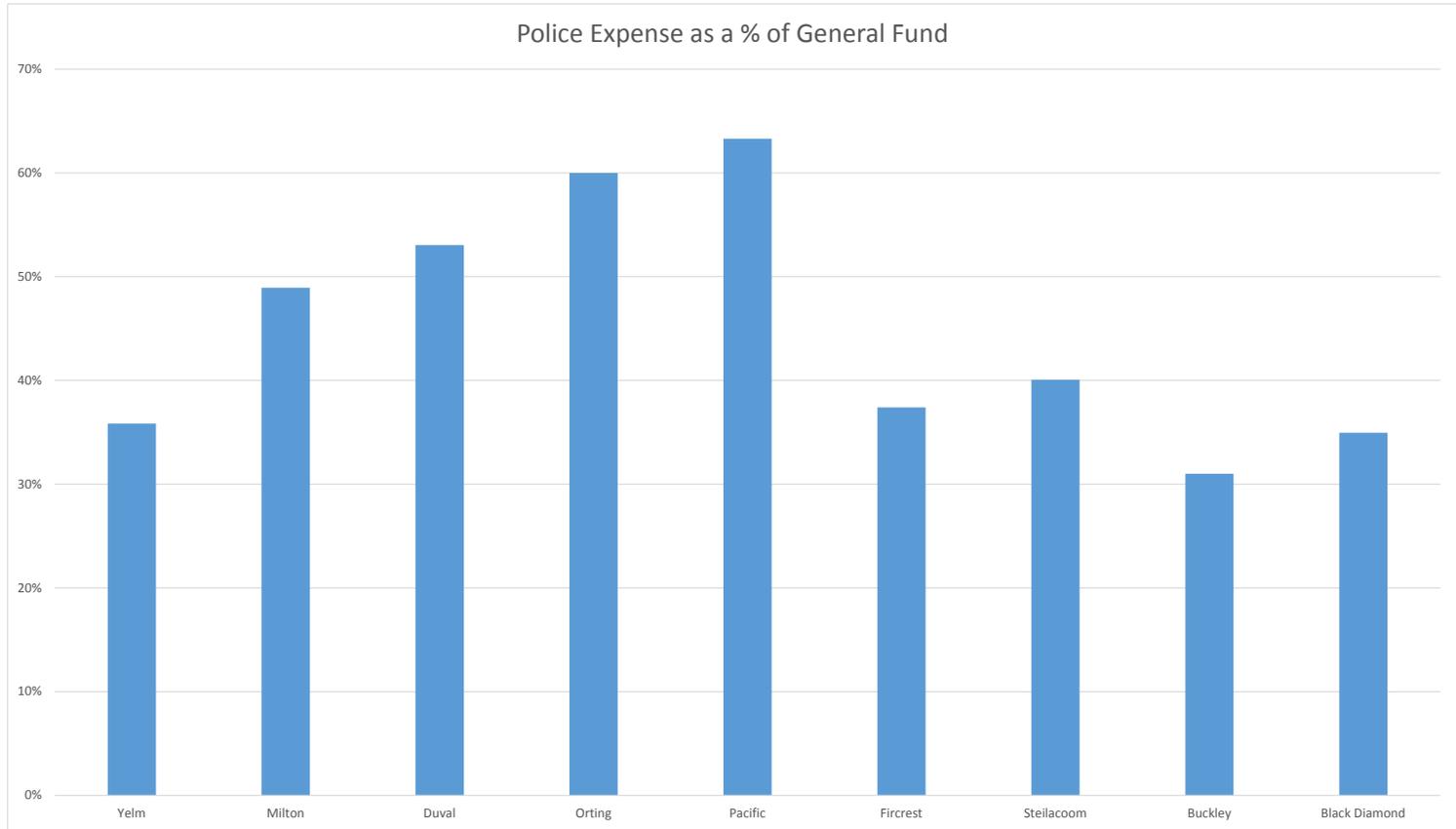
City	Valuation
Yelm	567,993,293
Milton	583,971,779
Duval	699,978,432
Orting	378,099,092
Pacific	525,337,117
Fircrest	569,373,361
Steilacoom	591,241,028
Buckley	318,871,406
Black Diamond	499,715,546

General Fund Annual Revenue 2014



	2014 Rev
City	Gen Fund
Yelm	\$4,453,000
Milton	\$3,733,957
Duval	\$4,253,686
Orting	\$2,905,000
Pacific	\$3,250,000
Fircrest	\$3,810,673
Steilacoom	\$4,367,533
Buckley**	3,700,000
Black Diamond	\$4,670,852

City	% of GF
Yelm	36%
Milton	49%
Duval	53%
Orting	60%
Pacific	63%
Fircrest	37%
Steilacoom	40%
Buckley	31%
Black Diamond	35%



Property Tax Rates for Regional Cities - 2015

City	City Rate/\$1000	Total Rate/\$1000
Orting	\$1.60	\$17.86
Puyallup	\$1.81	14.00
Sumner	\$0.61	\$13.79
Bonney Lake	\$1.54	\$14.71
Milton	\$1.60	\$13.50
Buckley	\$2.43	\$16.15
Average	\$1.60	\$15.00



City of Orting
City Council Staff Report

Date: July 29, 2015

Prepared By: J.C. Hungerford, P.E.

Agenda Item: High Cedars Force Main and Lift Station Replacement - Award of Contract

Issue Synopsis:	Bids were received July 9, 2015 for construction of the High Cedars Force Main and Lift Station Replacement Project.
Background:	The City opened bids for construction of the High Cedars Force Main and Lift Station Replacement Project Tuesday, July 9, 2015. Contingent on award of the contract by City Council, the City will be issuing Notice of Award on or around July 30, 2015. Construction will continue for approximately 4 months once the contractor has mobilized to the site. Northwest Cascade, Inc. has submitted a bid for \$1,067,905.73 for construction of the High Cedars Force Main and Lift Station Replacement Project.
Policy Options:	Approve, or deny
Analysis:	The City has budgeted \$1,500,000 in the Sewer Fund (408). The apparent low bid for construction is \$1,067,905.73 leaving a surplus of \$432,094.27. This is detailed below.
Fiscal Impact:	Fund(s): Sewer (408-594-35-63-25): \$1,100,000 Sewer (408-594-35-63-26): \$400,000 Expenditure Required: \$1,067,905.73 Amount Budgeted: \$1,500,000 Additional Appropriation Required: \$0
Policy Questions:	None
Staff Recommendation:	Recommend Approval
(Committee) Recommendation:	N/A
Attachments:	Certified Bid Tab

Parametrix, Inc.
1019 39th Ave SE, Ste. 100
Puyallup, WA 98374

Project Name: HIGH CEDARS FORCE MAIN AND LIFT STATION REPLACEMENT
ENIGINEERS ESTIMATE

Item No.	Spec. Section	Description	Unit	Qty	Unit Price	Total Amount	Bidder #1 Northwest Cascade, Inc.		Bidder #2 DPK, Inc.		Bidder #3 Kar-Vel Construction	
							Price Per Unit	Total	Price Per Unit	Total	Price Per Unit	Total
1	1-09	Mobilization	LS	1	\$ 40,000.00	\$ 40,000.00	\$ 50,000.00	\$ 50,000.00	\$ 95,000.00	\$ 95,000.00	\$ 110,000.00	\$ 110,000.00
2	1-07	Property Restoration	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 70,000.00	\$ 70,000.00	\$ 15,000.00	\$ 15,000.00	\$ 85,000.00	\$ 85,000.00
3	1-04	Minor Change	EST	1	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
4	1-10	Project Temporary Traffic Control	LS	1	\$ 1,000.00	\$ 2,000.00	\$ 9,822.00	\$ 9,822.00	\$ 5,000.00	\$ 5,000.00	\$ 8,000.00	\$ 8,000.00
5	2-02	Removal of Structure and Obstruction	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 6,680.00	\$ 6,680.00	\$ 100,000.00	\$ 100,000.00	\$ 10,000.00	\$ 10,000.00
6	2-02	Removing Asphalt Conc. Pavement	SY	550	\$ 6.00	\$ 3,300.00	\$ 7.00	\$ 3,850.00	\$ 6.00	\$ 3,300.00	\$ 5.00	\$ 2,750.00
7	2-02	Removing Cement Conc. Sidewalk	SY	6	\$ 15.00	\$ 90.00	\$ 36.00	\$ 216.00	\$ 15.00	\$ 90.00	\$ 20.00	\$ 120.00
8	2-02	Removing Cement Conc. Curb and Gutter	LF	10	\$ 10.00	\$ 100.00	\$ 40.00	\$ 400.00	\$ 10.00	\$ 100.00	\$ 25.00	\$ 250.00
9	2-02	Potholing	EA	12	\$ 400.00	\$ 4,800.00	\$ 1,000.00	\$ 12,000.00	\$ 400.00	\$ 4,800.00	\$ 400.00	\$ 4,800.00
10	2-02	Remove/Abandon Existing Sanitary Sewer Force Main (6 In.)	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 21,000.00	\$ 21,000.00	\$ 23,000.00	\$ 23,000.00	\$ 30,000.00	\$ 30,000.00
11	2-02	Abandon Existing Sanitary Sewer (12 In.)	LF	30	\$ 45.00	\$ 1,350.00	\$ 45.00	\$ 1,350.00	\$ 57.00	\$ 1,710.00	\$ 90.00	\$ 2,700.00
12	2-02	Remove/Abandon Existing Pump Station and Wet Well	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 13,000.00	\$ 13,000.00	\$ 8,000.00	\$ 8,000.00	\$ 20,000.00	\$ 20,000.00
13	2-02	Abandon Existing Manhole	EA	1	\$ 500.00	\$ 500.00	\$ 950.00	\$ 950.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,000.00
14	2-09	Shoring or Extra Excavation Class B	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 500.00	\$ 500.00	\$ 5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00
15	4-04	Crushed Surfacing Top Course	Ton	175	\$ 35.00	\$ 6,125.00	\$ 37.00	\$ 6,475.00	\$ 40.00	\$ 7,000.00	\$ 25.00	\$ 4,375.00
16	5-04	HMA Cl. 1/2 In. PG 64-22	Ton	95	\$ 120.00	\$ 11,400.00	\$ 253.00	\$ 24,035.00	\$ 202.00	\$ 19,190.00	\$ 206.00	\$ 19,570.00
17	7-05	Sanitary Sewer Manhole 48 In. Diam. Type 1	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 5,200.00	\$ 5,200.00	\$ 15,000.00	\$ 15,000.00	\$ 8,000.00	\$ 8,000.00
18	7-08	Extra Excavation Incl. Haul	CY	20	\$ 40.00	\$ 800.00	\$ 40.00	\$ 800.00	\$ 50.00	\$ 1,000.00	\$ 45.00	\$ 900.00
19	7-08	Foundation Material	Ton	40	\$ 40.00	\$ 1,600.00	\$ 29.00	\$ 1,160.00	\$ 45.00	\$ 1,800.00	\$ 25.00	\$ 1,000.00
20	7-12	8 In. Tapping Sleeve and 4 In. Gate Valve Assembly	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 3,600.00	\$ 3,600.00	\$ 8,000.00	\$ 8,000.00	\$ 9,000.00	\$ 9,000.00
21	7-12	Pigging Retrieval System	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 29,000.00	\$ 29,000.00	\$ 30,000.00	\$ 30,000.00	\$ 38,000.00	\$ 38,000.00
22	7-12	Force main Piping Modification	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 18,000.00	\$ 18,000.00	\$ 21,000.00	\$ 21,000.00	\$ 30,000.00	\$ 30,000.00
23	7-17	PVC C900 Pipe for Sanitary Sewer Force Main 4 In. Diam.	LF	2,175	\$ 40.00	\$ 87,000.00	\$ 28.00	\$ 60,900.00	\$ 42.00	\$ 91,350.00	\$ 70.00	\$ 152,250.00
24	7-17	PVC C900 Pipe for Sanitary Sewer Force Main 6 In. Diam.	LF	20	\$ 55.00	\$ 1,100.00	\$ 190.00	\$ 3,800.00	\$ 100.00	\$ 2,000.00	\$ 116.00	\$ 2,320.00
25	7-17	PVC C900 Pipe for Sanitary Sewer Force Main 8 In. Diam.	LF	8	\$ 100.00	\$ 800.00	\$ 240.00	\$ 1,920.00	\$ 250.00	\$ 2,000.00	\$ 200.00	\$ 1,600.00
26	7-17	PVC Sanitary Sewer Pipe 12 In. Diam.	LF	115	\$ 85.00	\$ 9,775.00	\$ 67.00	\$ 7,705.00	\$ 145.00	\$ 16,675.00	\$ 152.00	\$ 17,480.00
27	8-01	Erosion/Water Pollution Control	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 11,800.00	\$ 11,800.00	\$ 8,000.00	\$ 8,000.00	\$ 5,000.00	\$ 5,000.00
28	8-01	Dewatering	LS	1	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	\$ 50,000.00	\$ 50,000.00	\$ 45,000.00	\$ 45,000.00
29	8-04	Cement Conc. Traffic Curb and Gutter	LF	10	\$ 50.00	\$ 500.00	\$ 30.00	\$ 300.00	\$ 100.00	\$ 1,000.00	\$ 130.00	\$ 1,300.00
30	8-06	Cement Conc. Sidewalk	SY	6	\$ 50.00	\$ 300.00	\$ 53.00	\$ 318.00	\$ 160.00	\$ 960.00	\$ 300.00	\$ 1,800.00
31	Part 3, CSI	High Cedars Lift Station and Wet Well	LS	1	\$ 450,000.00	\$ 450,000.00	\$ 491,750.00	\$ 491,750.00	\$ 403,000.00	\$ 403,000.00	\$ 498,000.00	\$ 498,000.00
32	Part 3, CSI	Allowance for Puget Sound Energy Work	Force Account EST	1	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Subtotal Bid Schedule						\$ 845,540.00	\$ 981,531.00	\$ 1,020,975.00	\$ 1,213,215.00			
Sales Tax (8.8 percent)						\$ 74,407.52	\$ 86,374.73	\$ 89,845.80	\$ 106,762.92			
TOTAL BID SCHEDULE (subtotal plus sales tax)						\$ 919,947.52	\$ 1,067,905.73	\$ 1,110,820.80	\$ 1,319,977.92			

Sealed bids were opened at the City of Orting, City Hall
110 Train Street SE, Orting, WA at 1:30 PM July 9, 2015

I hereby certify that, to the best of my knowledge, the above tabulations are true and correct transcription of the unit prices and total amount bid.

 7/16/15
Signature/Date



7/16/15

***Apparent Low Bidder



City of Orting
City Council Staff Report

Date: July 24, 2015

Prepared By: Mark Bethune

Agenda Item: Customer Rights

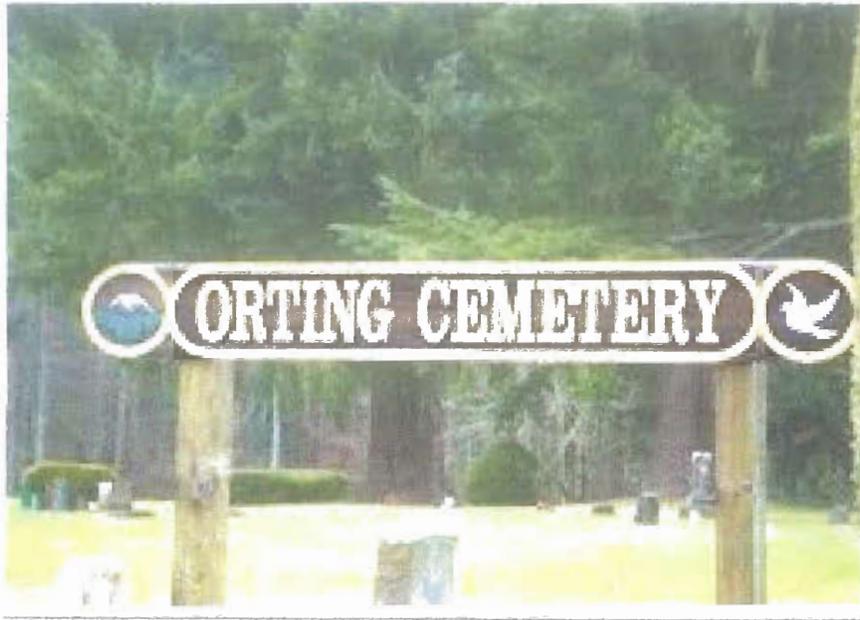
Issue Synopsis:	Council goals include the development of a customer rights document
Background:	In the last Council retreat a customer rights tactic was initiated to help ensure success in Council goal #1 – “Retain and expand Orting’s business community”. The CGA Committee developed the attached customer rights document. Initially this tactic was limited to the building department, then the scope was increased to customer interaction with all city departments.
Policy Options:	Approve, amend, deny
Analysis:	See above Background
Fiscal Impact:	Fund(s): NA Expenditure Required: NA Amount Budgeted: NA Additional Appropriation Required: NA
Policy Questions:	See above
Staff Recommendation:	Approve
CGA Recommendation:	Approve
Attachments:	Customer Rights Document

City of Orting

Customer Bill of Rights

- 1. Every Citizen will to be served with respect and courtesy.*
- 2. City products and services will be easy to locate and access.*
- 3. The City will reach out to its customers to inform them about City products and services.*
- 4. A customer will be able to locate any City service and initiate a request with a single phone call, visit to cityoforting.org, trip to a service center, or a letter.*
- 5. When a customer's request involves multiple City offices or departments, the City will coordinate the work.*
- 6. A customer will receive clear and accurate information.*
- 7. City employees will be helpful, connecting customers with others who can help if they cannot.*
- 8. The City will provide service hours and locations that are convenient to customers. Office hours are from 9:00 am to 5:00 pm. Monday through Friday. Drop boxes for payments are available 24 hours a day, 7 days a week. Emergency services are available 24 hours a day 7 days a week.*
- 9. The City will provide estimates of how long, and if applicable, how much it will cost to fulfill a customer's request.*
- 10. The City will keep the customer informed of progress and readily answer questions about the status of pending requests.*
- 11. Customers will get results, not just process.*
- 12. The City will, in a timely manner, follow up with the customer after the request has been completed.*

CITY OF ORTING



***Orting Municipal Code:
Repealing and Reenacting Title 2, Chapter 4
Concerning Cemetery Board & Regulations***

July 29, 2015

City of Orting

110 Train St SE, P.O. Box 489, Orting, WA 98360-0489

Phone: (360) 893-2219

Fax: (360) 893-6809

July 29, 2015

To: Councilmembers

From: Councilmember Colorossi

Subject: Repealing and Reenacting Title 2, Chapter 4
OMC concerning Cemetery Board & Regulations

For several years now, the Cemetery Committee has been working on plans to update the Orting Municipal Code (OMC) with regards to the cemetery.

Enclosed you'll find a revised copy of the OMC code regarding the cemetery board and regulations. The committee working with the city attorney has reviewed this draft word for word three times and feel is ready for your consideration. For comparison, you'll find a copy of the same code that we have been working with since 1973.

This is the second phase of a four phase plan to update the cemetery program. The first phase was the implementation of new legal documents used for interments. The OMC code update is the second phase. As soon as the second phase has been approved, the committee will work on the policies of the department and then the rate structures for all cemetery services rendered.

The committee is looking forward for your input for finalizing this phase of our project.

Thank you.



“Small Town – Big View”

Part 1

Orting Municipal Code

Cemetery

Repealing and Reenacting Title 2, Chapter 4

CITY OF ORTING
WASHINGTON

ORDINANCE NO. 2015-969

AN ORDINANCE OF THE CITY OF ORTING,
WASHINGTON, REPEALING AND REENACTING TITLE
2, CHAPTER 4 OF THE ORTING MUNICIPAL CODE
CONCERNING CEMETERY BOARD; REGULATIONS;
PROVIDING FOR SEVERABILITY; AND ESTABLISHING
AN EFFECTIVE DATE

WHEREAS, the City Council of the City of Orting desires to repeal and reenact the Cemetery Code with updates and additional regulations and provisions; and

WHEREAS, the City Council of the City of Orting has determined that it is in the best interest of the public health, safety and welfare to repeal and reenact Title 2, Chapter 4 of the Orting Municipal Code as set forth herein;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ORTING,
WASHINGTON, DO ORDAIN AS FOLLOWS:

Section 1. Repeal and Reenactment of Title 2, Chapter 4, "Cemetery Board; Regulations."
Title 2, Chapter 4 the Orting Municipal Code, "Cemetery Board; Regulations," is hereby repealed in its entirety and reenacted to read as follows:

Chapter 4
CEMETERY BOARD; REGULATIONS

- 2-4-1: CEMETERY ESTABLISHED:**
- 2-4-2: DEFINITIONS:**
- 2-4-3: BOARD OF MANAGERS:**
- 2-4-4: CEMETERY FUND ESTABLISHED:**
- 2-4-5: DEATH CERTIFICATE REQUIREMENTS:**
- 2-4-6: CEMETERY LOTS AND NICHE:**
- 2-4-7: FAILURE TO PAY FOR GRAVES, NICHE AND/OR SERVICES:**
- 2-4-8: OPENING THE CASKET:**
- 2-4-9: INTERMENT OR DISINTERMENT REQUIREMENTS:**
- 2-4-10: MONUMENT AND MARKER RESTRICTIONS:**
- 2-4-11: DISPOSITION OF UNUSED OR ABANDONED LOTS:**
- 2-4-12: DECORATIONS:**
- 2-4-13: GENERAL GRAVE AND NICHE REGULATIONS AND SPECIFICATIONS:**

- 2-4-14: **CONDUCT OF VISITORS:**
- 2-4-15: **CARE OF GROUNDS:**
- 2-4-16: **PROHIBITION AND REMOVAL OF OBJECTS:**
- 2-4-17: **DONATIONS OF SHRUBBERY OR OTHER ARTICLES:**
- 2-4-18: **ROADS AND LANES IN CEMETERY:**
- 2-4-19: **MISCELLANEOUS PROVISIONS:**
- 2-4-20: **ENFORCEMENT OF RULES AND REGULATIONS:**
- 2-4-21: **VIOLATION; PENALTY:**

2-4-1: **CEMETERY ESTABLISHED:**

For the purpose of a public burial ground, there is established and created a public cemetery to be known as “the Orting Cemetery.”

2-4-2: **DEFINITIONS:**

“Burial” means the placement of human remains in a grave.

“Caretaker” means City of Orting employees or appointees of the City who are responsible for maintenance and care of the cemetery and cemetery grounds.

“Cemetery” means the burial ground commonly known as the Orting Cemetery, intended to be used for the placement of human remains and dedicated for cemetery purposes:

1. All land dedicated, reserved or used for the interment of human remains;
2. All vegetation therein;
3. All graves, crypts, columbaria, niches or other interment spaces therein;
4. All works of art, memorials or other objects therein;
5. All roads, walkways and other structures of every kind therein;
6. All equipment and facilities incidental to the operation of the Orting Cemetery.

“City” means City of Orting.

“Columbarium” or “columbaria” means a structure, room or other space in a building or structure containing niches for permanent placement of cremated human remains in a place used, or intended to be used, and dedicated for cemetery purposes.

“Cremated human remains” means the end products of cremation.

“Cremation” means the reduction of human remains to bone fragments in a crematory by means of incineration.

“Curbing” means any constructed border and/or interior of a grave or lot, however marked, including, but not limited to cement, concrete, stones, wood or other materials.

“Disinterment” means the removal of human remains in a cemetery.

“Grave” means a space of ground in a burial park or cemetery, used or intended to be used for burial.

“Grave owner” or “owner” means any person in whose name an interment right stands of record as owner, in the records of the cemetery at Orting City Hall.

“Human remains” or “remains” means the body of a deceased person, includes the body in any stage of decomposition, and includes cremated human remains.

“Interment” means the placement of human remains in a cemetery.

“Interment right” means the right to inter human remains in a particular space in a cemetery. Interment right also refers to interment rights that were acquired through “cemetery deeds” that were previously issued under the prior Cemetery Code.

“Lot” or “plot” means space in a cemetery, used or intended to be used for the interment of human remains.

“Maintenance” means the routine cleaning of cemetery areas. This shall include grass mowing and trimming, weeding, raking, and the changing or cleaning of marble chips, lava rock, cinder rock or beauty bark. Maintenance shall not include structural changes other than the columbaria, which the City will maintain and repair as needed.

“Memorial” means a monument, tombstone, grave marker, tablet or headstone identifying a grave or graves or a nameplate or inscription identifying a niche to preserve remembrance.

“Niche” means a space in a columbarium for placement of cremated human remains.

“Owner of interment rights” means any person who is listed as the owner of record of a right or rights of interment in the office of the Orting Cemetery.

“Reinterment” means the act of placing human remains back into a cemetery after disinterment.

“Structural changes” shall mean any repair, removal or establishment of any curbing, structures, grave stones, plaques, effigies, statues, and any other markers or fencing located in or about the cemetery. It shall also include the use of cement or concrete.

2-4-3: BOARD OF MANAGERS:

- A. Board Created; Appointment: There is hereby created a board of managers of the cemetery which shall consist of the Mayor, who shall be ex officio chairperson of the board, two (2) members of the City Council, and one (1) city staff member, all of whom shall be appointed by the Mayor and confirmed by the City Council. The Mayor and City Council members shall hold the position during their terms in office and the staff person shall serve at the pleasure of the Mayor.

- E. Powers And Authority: The board of managers of the cemetery shall have full power and authority, under the general supervision of the City Council, to make any and all policies, regulations and rules that it deems necessary for the proper conduct and operation of the cemetery, to assign help and assistants as may be needed from time to time, to recommend their compensation, and generally to perform any and all acts for the efficient operation of the cemetery. The City expressly reserves the right to make from time to time such additional rules and regulations as may be desirable in the public interest.

2-4-4: CEMETERY FUND ESTABLISHED:

There is created and established a special fund of the City, known as the "cemetery fund," in which shall be placed all monies received from the sale of niches, lots or parts thereof, in the cemetery, from gifts, bequests or donations to the City for cemetery uses, and from which all disbursements shall be made for cemetery uses and purposes. For maintenance and perpetual care of lots, graves, columbaria and niches in the cemetery, thirty percent (30%) of the income from the sale of graves and lots therein, together with all donations thereto, shall be placed in the "irreducible cemetery fund" and shall be kept invested in safe, interest bearing securities, and the interest derived therefrom shall be used to maintain and care for the cemetery, and for no other purpose.

2-4-5: DEATH CERTIFICATE REQUIREMENTS:

No interment will be permitted without the proper death certificate and/or burial permit as required by the health authorities and laws of the state of Washington. Cremated remains must be accompanied by a copy of the burial or transit permit or other document acceptable to the cemetery to certify identity of the cremated remains.

2-4-6: CEMETERY LOTS AND NICHES:

- A. Right of Interment: The purchaser of a grave, lot or other parcel of ground, including niches, is granted or conveyed only the right of interment of human remains and the right of installation of a memorial on each lot, grave or other parcel of ground, including niches. The owner of the right of interment does not possess a fee interest or any other interest in the land itself. Title and

rights to interment shall be governed by chapter 68.32 RCW, as now existing or as hereafter amended or adopted.

- B. Purchase; Interment Rights: For each grave, lot or other parcel of ground sold in the cemetery, including niches, a “Certificate of Ownership – Interment Rights” (hereinafter “Certificate”) shall be issued to the purchaser thereof, which shall be signed by the Mayor and City Clerk as are other conveyances for the City. No Certificate shall be delivered until the purchase price of the grave, lot or niche has been fully paid to the City. Previously issued “Cemetery Deeds” that were provided pursuant to the former Cemetery Code will still be honored. Any reference to interment rights throughout this Code shall also refer to previously issued cemetery deeds.
- C. Resale of Lots to City: No cemetery lot, tract, grave space or niche purchased from the City shall be resold to any person other than the City. The City will return, upon written application, the purchase price of any lot, tract, grave space or niche at the price originally charged by the City.

2-4-7: FAILURE TO PAY FOR GRAVES, NICHES AND/OR SERVICES:

Failure, refusal or neglect to pay for graves, lots, niches or services after interment on terms agreed upon will work as a forfeiture of all title or interest in a grave, lot or niche and the same shall revert to the cemetery, and the City Council may, after giving due notice of such intention, cause any bodies to be disinterred and moved to another location in the cemetery, and such reburial shall constitute full compensation for any money or fees that may have been received by the cemetery.

2-4-8: OPENING THE CASKET:

Once a casket containing remains is within the boundaries of the cemetery, the City reserves the right to refuse permission to all persons to open the casket or to touch the remains without the consent of a legal representative of the deceased or a court order.

2-4-9: INTERMENT OR DISINTERMENT REQUIREMENTS:

- A. Interments and Disinterments: No person or persons except bona fide employees of the City or a City-approved contractor with suitable equipment and ability to perform may dig any grave or make any interment or disinterment in the Orting Cemetery. All contractor interments and disinterments shall be under the direction of the caretaker. Owners of graves or niches must arrange for such interment or disinterments with the City Public Works Director. No interments or disinterments may be made unless all fees for interment rights and for services have been paid or satisfactorily arranged for with the Public Works Director. No interments, disinterments or removals shall be permitted on Sunday or any holiday observed by the City

except in case of contagious disease as required by law or by special approval from the Public Works Director.

B. Requirements for Disinterment:

1. Signed affidavit(s) of the nearest kin approving the disinterment or removal.
2. Signed approval of the lot holder or their lawful representative.
3. Disinterment permit from City and any other necessary state and county approvals and/or permits.
4. The desired interment right must be identified; all charges for disinterment and reinterment, together with all other charges due, must be paid.
5. Remains removed from other cemeteries and brought to the Orting Cemetery for reinterment must be accompanied by the proper paperwork and permits required by law.
6. Liability. The City will exercise utmost care in making a disinterment, but assumes no liability for damage to any casket, vault, liner, grave box or any other burial case in making the removal or disinterment.
7. Outer case replacement. When, in the opinion of the City, a new outside box is needed, it must be provided by the person arranging for the removal, at the time of reinterment, through the cemetery.
8. Prior Notice. At least one week's prior notice is required for any disinterment or removal, after compliance with the rules and regulations.
9. Removal for Profit Prohibited. Removal by the heirs of any remains so that the lot may be sold for profit is not permitted.

2-4-10: MONUMENT AND MARKER RESTRICTIONS:

- A. Right to Prohibit: The City reserves the right to prohibit the erection of any vault, monument, headstone, tablet, or other marker that may be considered inappropriate in material, design, workmanship or location.
- B. Placement: All monuments, headstones, markers or other memorials are to be set flush with the ground to facilitate the mowing and care of the cemetery.
- C. Set by Employees: All monuments, headstones, columbaria, niches, markers or other memorials will be set by employees of the City or shall be installed by a City-approved contractor/supplier with suitable equipment and ability to perform. No other person or persons will be allowed to do such work. All contractor/supplier installed monuments, headstones or markers shall be installed under the direction of the caretaker. All installation charges shall be made in accordance with the size of the monument, marker, headstone, niche, etc. installed.
- D. Grave owners are responsible to install temporary markers on all graves within ten (10) days of interment. Permanent markers must be placed on graves within eighteen (18) months of interment.

- E. Grave Owner Responsibility: Grave owners must keep in good repair all stones or monumental work upon the grave. The City does not bind itself to maintain, repair or replace any grave marker or monumental structures erected upon the grave other than damage to grave markers or monumental structures caused by the City in which case the City will repair the stones or monumental work. Repairs that are necessary due to normal wear and tear of stones or monumental work will be the responsibility of the grave owner.
- F. Right to Remove Monuments, Headstones, Markers: The City reserves the right to exclude or remove from any grave, any headstone, monument, marker or other structure which may conflict with these regulations or which the City may consider injurious to the general appearance of the grounds.

2-4-11: DISPOSITION OF UNUSED OR ABANDONED LOTS:

- A. Abandoned Interment Rights: To preserve the active nature of the cemetery, any interment space will be deemed abandoned if there is no recorded activity on the space for a period of 100 years. Any interment space deemed abandoned may be reclaimed by the cemetery and disposed of as the cemetery sees fit.
- B. Disposition of Unused Rights: Should a holder of unused interment space no longer need the space in the cemetery they may sell the space back to the cemetery at the original purchase price.

2-4-12: DECORATIONS:

- A. Floral Regulation: No planting is permitted on any plot. No flower receptacles or planter boxes may be placed on any plot or in any niche unless the material, size and design are approved by the Cemetery Board. The City shall have authority to remove from the plot or niche all floral designs, flowers, trees, shrubs, plants or herbage of any kind, when in the judgment of the caretaker they become unsightly, dangerous, detrimental or diseased, or when they do not conform to the standards maintained by the City. The City shall not be liable for lost, misplaced, stolen or broken flower vases. The City reserves the right to regulate the method of decorating plots so that a uniform beauty can be maintained. Artificial flowers are not allowed on graves during the mowing season of March 1st to November 30th with the exception of the following: For a period beginning on the Friday before and extending through the weekend following Easter, Mother's Day, Memorial Day, and Father's Day.
- B. Care of Trees and Shrubs: No person shall remove any part of any tree, shrub or any other planting in the cemetery. On request, the caretaker will arrange for necessary pruning of trees and shrubs on property owned by the cemetery. Only the caretaker or employees of approved contractors/suppliers may plant

any plants, trim vegetation or provide any other maintenance to the grounds of the cemetery.

- C. Prohibited Ornaments: The placing upon plots of boxes, tubs, shells, toys, metal designs, ornaments, chairs, settees, vases, glass jars, tin, iron or earthenware jars or jugs and similar articles, is not permitted and if so placed, the City will remove the same.
- D. Ornaments Prohibited in Columbaria: Artificial, dyed or preserved flowers, photographs, souvenirs, wreaths or flags, or other emblems, are prohibited in columbaria and/or niches. If so placed therein, they will be removed by the City.
- E. New Burials: All flowers, plants, easels and decorations will be allowed to remain for forty-eight (48) hours following a new burial. Persons wishing to retain any of the items must remove them within forty-eight (48) hours after interment.

2-4-13: GENERAL GRAVE AND NICHE REGULATIONS AND SPECIFICATIONS:

The City adopts by reference general grave and niche regulations and specifications. Such general regulations and specifications can be found on the City's website and are available from the City Clerk. The City may adopt or amend grave, niche and other cemetery regulations from time to time as necessary.

2-4-14: CONDUCT OF VISITORS:

Every visitor to the cemetery is requested to help maintain its sacred quiet and its best possible appearance. To this end, loud or boisterous language or improper conduct will be reprovved and any person guilty of disturbing the peace and sanctity of the cemetery will be subject to arrest and trial therefor.

2-4-15: CARE OF GROUNDS:

Refuse and debris of all kinds should be carefully removed, and all requests of the caretaker to remove objectionable trees, shrubbery or plants should be complied with promptly.

2-4-16: PROHIBITION AND REMOVAL OF OBJECTS:

The caretaker shall have the right without notice to prohibit or remove from the cemetery any objectionable ornaments, chairs, settees, vases, glass jars or cases, artificial flowers, toys or other articles that may interfere with the care or spoil the appearance of the cemetery.

2-4-17: DONATIONS OF SHRUBBERY OR OTHER ARTICLES:

Persons wishing to make donations of shrubbery or other articles as memorials must request to do so in writing. All such shrubbery or articles must be approved by the Board of Managers prior to placement by City employees.

2-4-18: ROADS AND LANES IN CEMETERY:

- A. Vacation: The City Council shall have full authority to vacate any road or lane in the cemetery or to open others that do not trespass upon any privately owned lot or destroy the usefulness of the official plat of the cemetery.
- B. Road or Lane Construction: The City Council has full authority to grade and level such roads or lanes and to cover the same with such materials as it deems best to make a good road or lane.

2-4-19: MISCELLANEOUS PROVISIONS:

- A. The rules and regulations set out in this chapter and subsequent chapters and as determined by motion or resolution of the City Council shall govern all cemeteries now owned or hereafter acquired by the City of Orting. The City expressly reserves the right to make from time to time such additional rules and regulations as may be deemed desirable in the public interest and may do so through the Municipal Code or through policies and procedures adopted by the Board of Managers.
- B. In the Orting Cemetery, no fences of any kind, no curbing of any kind, and no other monuments, stones, objects or things of any kind projecting above the surface of the ground will be permitted, except as specially authorized by the ordinance, rules and regulations of the City.
- C. Heavily loaded vehicles and other heavy or sharp objects that will mark, damage or tear up the ground shall not be allowed within the cemetery areas without written permission from the City.
- D. Every person entering the Orting Cemetery shall be responsible for all damages done by that person or by any vehicle, person, animal or thing in that person's charge.
- E. No animal shall be taken or allowed to enter any cemetery area, with the exception of service animals.
- F. No vehicles shall be driven in any part of the cemetery except on roads and lanes laid out for that purpose or on unimproved property; in the cemetery at speeds exceeding fifteen miles per hour (15 MPH); be driven or parked in the cemetery between dusk and dawn each day, except law enforcement vehicles or City maintenance vehicles.

- G. Signs and advertisements of every description are strictly prohibited in the cemetery, except as necessary for cemetery regulations of the City.
- H. No person other than law enforcement officers or City maintenance workers shall be in any part of the cemetery one-half hour after sunset and one-half hour before sunrise each day.

2-4-20: ENFORCEMENT OF RULES AND REGULATIONS:

- A. Council Authority: The City Council has full authority to enforce any and all rules and regulations for the management and control of the cemetery and to prevent any use, appropriation, division, improvement or adornment of a lot which they deem improper and unsuitable.
- B. Additional Rules: The City Council may, as found necessary, make and enforce any additional regulations thought needful to maintain the cemetery as a safe, suitable, and desirable place for the burial of the dead and the orderly and convenient visitation of the same by all interested parties.

2-4-21: VIOLATION; PENALTY:

- A. Every person violating any part of sections 2-4-6 through 2-4-10, 2-4-12 through 2-4-16, and 2-4-19 through 2-4-21 of this chapter, or any section hereof, is guilty of a misdemeanor and punishable as provided in section 1-4-1 of the Orting Municipal Code.
- B. The following acts are prohibited, and every person who unlawfully or without right willfully does any of the following is guilty of a gross misdemeanor punishable under section 1-4-1 of the Orting Municipal Code:
 - 1. Destroys, cuts, mutilates, effaces, or otherwise injures, tears down or removes any tomb, plot, monument, memorial, niche, columbarium or marker in the cemetery, or any gate, door, fence, wall, post or railing, or any enclosure for the protection of the cemetery or any property therein.
 - 2. Destroys, cuts, breaks, removes or injures any building, statuary, ornamentation, tree, shrub, flower or plant within the cemetery.
 - 3. Disturbs, obstructs, detains or interferes with any person carrying or accompanying human remains to a cemetery or funeral establishment, or engaged in a funeral service or interment.
- C. The foregoing provisions do not apply to the removal or unavoidable breakage or injury by the City or its agent or employees, of any thing placed in or upon any portion of the Orting Cemetery in violation of any of the rules and regulations of the City, nor to the removal of any thing placed in the cemetery

by or with the consent of the City which has become in a wrecked, unsightly or dilapidated condition.

- D. Any person violating any provisions of this chapter is liable to the City in a civil action, to pay all damages occasioned by his or her unlawful acts. The sum recovered shall be applied in payment for the repair and restoration of the property injured or destroyed.

Section 2. Severability. Should any section, paragraph, sentence, clause or phrase of this Ordinance, or its application to any person or circumstance, be declared unconstitutional or otherwise invalid for any reason, or should any portion of this Ordinance be pre-empted by state or federal law or regulation, such decision or pre-emption shall not affect the validity of the remaining portions of this Ordinance or its application to other persons or circumstances.

Section 3. Effective Date. This Ordinance shall be published in the official newspaper of the City, and shall take effect and be in full force five (5) days after the date of publication.

ADOPTED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE ____ DAY OF _____, 2015.

CITY OF ORTING

Joachim Pestinger, Mayor

ATTEST/AUTHENTICATED:

City Clerk

Approved as to form:

John P. Long, Jr.,
Kenyon Disend PLLC
City Attorney

Filed with the City Clerk:
Passed by the City Council:
Ordinance No.
Date of Publication:
Effective Date:

Part 2

Orting Municipal Code

Cemetery

Existing Cemetery Board: Regulations

Title 2, Chapter 4

Chapter 4

CEMETERY BOARD; REGULATIONS

2-4-1: CEMETERY ESTABLISHED:

For the purpose of a public burial ground, there is established and created a public cemetery to be known as "the Orting Cemetery". (1973 Code § 2.28.010; amd. 1996 Code)

2-4-2: BOARD OF MANAGERS:

- A. Board Created; Appointment: There is hereby created a board of managers of the cemetery which shall consist of the mayor, who shall be ex officio chairperson of the board, and two (2) members of the city council, and one city staff member, all of whom shall be appointed by the mayor. The council members shall hold the position during their terms in office and the staff person shall serve at the pleasure of the mayor.
- B. Powers And Authority: The board of managers of the cemetery shall have full power and authority, under the general supervision of the city council, to make any and all rules that it deems necessary for the proper conduct and operation of the cemetery, to assign help and assistants as may be needed from time to time, to recommend their compensation, and generally to perform any and all acts for the efficient operation of the cemetery. (Ord. 786, 3-11-2004)

2-4-3: CEMETERY FUND ESTABLISHED:

There is created and established a special fund of the city, known as the "cemetery fund", in which shall be placed all monies received from the sale of lots or parts thereof, in the cemetery, from gifts, bequests or donations to the city for cemetery uses; and from which all disbursements shall be made for cemetery uses and purposes. For maintenance and perpetual care of lots and graves in the cemetery, thirty percent (30%) of the income from the sale of graves and lots therein, together with all donations thereto, shall be placed in the "irreducible cemetery fund" and shall be kept invested in safe, interest bearing securities, and the interest derived therefrom shall be used to maintain and care for the cemetery, and for no other purpose. (1973 Code § 2.28.040)

2-4-4: CEMETERY LOTS:

- A. Purchase; Deed; Maintenance Clause: For each grave, lot or other parcel of ground sold in the cemetery a deed shall be issued to the purchaser thereof, which shall be signed by the mayor and city clerk as are other conveyances for the city, and each deed shall contain a clause providing that such parcel of ground shall receive perpetual care such as will maintain it in a neat and attractive appearance; provided, however, that no deed shall be delivered until the purchase price of the parcel of ground shall be fully paid.
- B. Resale Of Lots To City: No cemetery lot, tract, or grave space purchased from the city shall be resold to any person other than the city. The city will, upon written application, return the purchase price of any lot, tract, or grave space at the price originally charged by the city. (Ord. 958, 7-9-2014)

2-4-5: FAILURE TO PAY FOR GRAVES OR SERVICES:

Failure, refusal or neglect to pay for graves or services after interment on terms agreed upon will work as a forfeiture of all title or interest in a grave or lot and the same shall revert to the cemetery, and the city council may, after giving due notice of such intention, cause any bodies to be disinterred and moved to another location in the cemetery, and such reburial shall constitute full compensation for any money or fees that may have been received by the cemetery. (1973 Code § 2.28.110)

2-4-6: INTERMENT OR DISINTERMENT REQUIREMENTS:

No person or persons except bona fide employees of the city may dig any grave or make any interment or disinterment in the Orting Cemetery. Owners of graves must make arrangements for such interment or disinterment with the city clerk. No interments or disinterments may be made unless all fees for graves and for services have been paid or satisfactorily arranged for with the city clerk. (Ord. 958, 7-9-2014)

2-4-7: MONUMENT AND MARKER RESTRICTIONS:

- A. **Right To Prohibit:** The city reserves the right to prohibit the erection of any vault, monument, headstone, tablet, or other marker that may be considered inappropriate in material, design, workmanship or location. (1973 Code § 2.28.160)
- B. **Placement:** All monuments, headstones, markers or other memorials are to be set flush with the ground to facilitate the mowing and care of the cemetery. (1973 Code § 2.28.170)
- C. **Set By Employees:** All monuments, headstones, markers or other memorials will be set by employees of the city. No other person or persons will be allowed to do such work. (1973 Code § 2.28.180)

2-4-8: CONDUCT OF VISITORS:

Every visitor to the cemetery is requested to help maintain its sacred quiet and its best possible appearance. To this end, loud or boisterous language, or improper conduct will be reprovved and any person guilty of disturbing the peace and sanctity of the cemetery will be subject to arrest and trial therefor. (1973 Code § 2.28.050)

2-4-9: CARE OF GROUNDS:

Refuse and debris of all kinds should be carefully removed, and all requests of the caretaker to remove objectionable trees, shrubbery or plants should be promptly complied with. (1973 Code § 2.28.070)

2-4-10: PROHIBITION AND REMOVAL OF OBJECTS:

The caretakers shall have the right without notice to prohibit or remove from lots or graves any objectionable ornaments, chairs, settees, vases, glass jars or cases, artificial flowers, toys or other articles that may interfere with the care of the grave or lot or that spoil the appearance of the cemetery. (1973 Code § 2.28.080)

2-4-11: DONATIONS OF SHRUBBERY OR OTHER ARTICLES:

Persons wishing to make donations of shrubbery or other articles as memorials may do so, but such shrubbery or articles must be appropriate and will be placed by the city's employees, and in such position as shall be decided by the appropriate committee or the city council. (1973 Code § 2.28.090)

2-4-12: STREETS AND ALLEYS IN CEMETERY:

- A. Vacation: The city council shall have full authority to vacate any street or alley in the cemetery or to open others that do not trespass upon any privately owned lot or destroy the usefulness of the official plat of the cemetery. (1973 Code § 2.28.130)
- B. Driveway Construction: The council has full authority to grade and level such streets or alleys and to cover the same with such materials as it deems best to make a good driveway. (1973 Code § 2.28.140)

2-4-13: ENFORCEMENT OF RULES AND REGULATIONS:

- A. Council Authority: The city council has full authority to enforce any and all rules and regulations for the management and control of the cemetery and to prevent any use, appropriation, division, improvement or adornment of a lot which they deem improper and unsuitable. (1973 Code § 2.28.190)
- B. Additional Rules: The council may, as found necessary, make and enforce any additional regulations thought needful to maintain the cemetery as a safe, suitable, and desirable place for the burial of the dead and the orderly and convenient visitation of the same by all interested parties. (1973 Code § 2.28.200)

2-4-14: VIOLATION; PENALTY:

Every person violating any part of sections 2-4-4 through 2-4-13 of this chapter or any

section hereof, is guilty of a misdemeanor and is punishable as provided in section [] of this code. (1973 Code § 2.28.210)

Pierce County Emergency Management Representatives:

Pierce County Department of Emergency Management (DEM) will be participating in Cascadia Rising, a large-scale exercise based on a 9.0 magnitude earthquake. We are inviting Pierce County cities, jurisdictions, and agencies to participate in this joint exercise. Cascadia Rising is modeled on the Cascadia Subduction Zone mega-thrust earthquake along the fault-line from northern California to Vancouver Island, British Columbia. Participants include federal agencies, states, tribes, and counties, who will be tied to the same scenario but will participate at varying levels of play. We have coordinated with Federal Emergency Management Agency (FEMA) and Washington Emergency Management Department, and have agreed to participate with a Functional Exercise (notional play), for two days - June 8-9, 2016, and will exercise the following three core capabilities:

- Critical Transportation
- Critical Communication
- Mass Care; Feeding and Hydration

We are contacting the various city emergency managers, fire and police districts, and other county departments, to identify desire and intent to participate in the exercise. For those interested, we will be providing a series of workshops, seminars, and table top exercises leading up to the Cascadia Rising exercise. On June 8-9, 2016, DEM will activate and staff its EOC and will support the local EOCs playing in the exercise. If your agency wishes to participate with Pierce County DEM, EOC to EOC, please complete and return the attached "Intent to Participate Registration" by August 14, 2015. Also, please see the attached "Pierce County Cascadia Rising Fact Sheet" for additional information.

For questions contact the Preparedness Division Manager, Alan Adams, at (253) 798-7021 or email aadams@co.pierce.wa.us