

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---Requirements §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---Requirements §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 plan?
- Does the plan indicate who was involved and how they contributed to the planning process, including who led the development at the staff level and were there any external contributors such as contractors?
- Does the plan indicate how the public was involved?
- Was the public provided an opportunity to comment on the plan during the draft stage and prior to plan approval?
- Was there an 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?

SECTION 1

REGION 5 HAZARD MITIGATION PLAN PLAN PROCESS SECTION

Table of Contents

PLAN PROCESS REQUIREMENTS	1
TABLE OF CONTENTS	2
PLAN PROCESS	4
PUBLIC INVOLVEMENT PROCESS	4
PLANNING TEAM	5
PLANNING TEAM MEETINGS.....	9
REGIONAL PLANNING TEAM MEETINGS	14
ONE-ON-ONE MITIGATION MEASURES MEETINGS	15
HAZARD MEETINGS	19
ELECTED OFFICIAL'S MEETINGS.....	20
FINAL ELECTED OFFICIAL'S MEETINGS.....	26
JURISDICTION SITE VISITS	31
PUBLIC COMMENT.....	39
PUBLIC INFORMATION MEETINGS, JANUARY 2007.....	44
PUBLIC INFORMATION MEETINGS, DECEMBER 2007.....	46
PROFILE PROCESS	48
SERVICES SUMMARY	48
GEO-POLITICAL SUMMARY	48
POPULATION SUMMARY	49
INFRASTRUCTURE SUMMARY	49
<i>General</i>	49
<i>Jurisdiction Infrastructure</i>	50
LAND USE MAPS	50
ECONOMIC SUMMARY	50
CAPABILITY IDENTIFICATION PROCESS	50
RISK ASSESSMENT PROCESS	52
HAZARD IDENTIFICATION	52
THE JURISDICTIONS	54
<i>Hazard Identification</i>	54
<i>Vulnerability</i>	54
<i>Consequence Analysis</i>	55

MITIGATION STRATEGY PROCESS..... 56

 FEMA MITIGATION GOAL CATEGORIES..... 56

 REGION 5 MITIGATION GOALS..... 57

 MITIGATION OBJECTIVES 57

 MITIGATION MEASURES: IDENTIFICATION AND EVALUATION 57

 MITIGATION MEASURES: PRIORITIZATION..... 59

INFRASTRUCTURE SUMMARY PROCESS 60

 DEFINITION..... 60

 IDENTIFICATION 60

 PROFILE..... 61

 INFRASTRUCTURE SUMMARY 61

 INFRASTRUCTURE CATEGORY SUMMARY 61

 INFRASTRUCTURE DEPENDENCY SUMMARY..... 61

 INFRASTRUCTURE HAZARD SUMMARY 62

 DEPENDENCY 62

 VULNERABILITY ASSESSMENT 62

PLAN MAINTENANCE PROCESS 63

ENDNOTES 64

Plan Process

The Region 5 Hazard Mitigation Plan Process Section is a discussion of the planning process used to develop 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 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.”¹

In order to accomplish this goal and to ensure that the final Region 5 Hazard Mitigation Plan be comprehensive, the four 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.²

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

Planning Team

The Planning Team was organized throughout the years of 2005 and early 2006. 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 development of the Plan, assisted in developing goals and measures, identified stakeholders, and shared local expertise to create a more comprehensive plan. The Planning Team was organized into four planning groups of like jurisdictions for the overall process. These groups are:

City and Town Group
Fire District Group

School Group
Utility Group

There were three jurisdictions that did not fit easily into the four categories, so they were dispersed into one of the four groups that came closest to like capabilities and authority. These are the Port of Tacoma, the American Red Cross-Mt. Rainier Chapter, and Pacific Lutheran University. Tables 1-1 through 1-4 identify the Planning Teams by listing the various members and the jurisdictions they represent.

Table 1-1 Planning Team – City and Town Group

NAME	TITLE	JURISDICTION-DEPARTMENT
Alan Predmore	Fire Chief	City of Buckley - Fire Department
Angie Riggsby	Fire Lieutenant	City of Buckley - Fire Department
Lori Bisping	Emergency Services Specialist	City of DuPont - Fire Department
Chris Jensen	Fire Chief	City of DuPont - Fire Department
Ed Knutson	Police Chief (2007-2008)	City of Edgewood - Police Department
Kevin Stender	Sr. Planner	City of Edgewood - Planning Department
Roger Toles	Police Chief (2006-2007)	City of Edgewood - Police Department
Kevin Farris	Lieutenant	City of Fife - Police Department
Carl Durham	Building Official/Fire Marshall	City of Fife - Community Development
Mark Burlingham	Public Works Director (2006-2007)	City of Fircrest - Public Works
John Cheesman	Police Chief	City of Fircrest - Police Department
William Larkin	Interim Public Works Director (2007-2008)	City of Fircrest - Public Works
Rick Rosenblatt	City Clerk	City of Fircrest - Administration
Dick Bower	Chief Building Official/Building Department Director	City of Gig Harbor - Community Development
Paul Rice	Assistant Building Official/Fire Marshal	City of Gig Harbor - Community Development
Dave Guttu	Lieutenant	City of Lakewood - Police Department
Dave Hall	Assistant Police Chief	City of Lakewood - Police Department
Steve Mauer	Lieutenant	City of Lakewood - Police Department

Jim Jaques	Fire Chief	City of Milton - Fire Department
Dan Hardin	Senior Planner	City of Milton - Building & Community Development
William Drake	Police Chief (2007-2008)	City of Orting - Police Department
Mark Bethune	City Manager	City of Orting - Administration
Ron Emmons	Police Chief (2006-2007)	City of Orting - Police Department
Patty McQuillin	Emergency Mgmt Coordinator	City of Tacoma - Fire Department, Emergency Preparedness & Fire Education
Jeff Jensen	Deputy Chief	City of Tacoma - Fire Department, Preventive Education & Emergency Management
Ute Weber	Emergency Mgmt Coordinator	City of Tacoma – Fire Department, Emergency Preparedness & Fire Education
Kevin O'Donnell	Deputy Fire Marshall	City of Tacoma - Fire Department, Emergency Preparedness & Fire Education
Pete Rambow	Inspection Supervisor	City of Tacoma - Public Works, Building & Land Use
Dave Sherman	Water Supply Manager	City of Tacoma - Public Utilities, Water Division
Charlie Solverson	Division Manager	City of Tacoma - Public Works, Building & Land Use
Mark Feddersen	Captain	City of Tacoma - Police Department
Rick Herrmann	Facilities Manager	City of Tacoma - Tacoma Public Utilities, Power Division
Gaille Finley	Director of Emergency Management	Town of Eatonville - Police Department
Tim Lincoln	Building Inspector	Town of Eatonville - Public Works
Marla Nevill	Town Clerk	Town of South Prairie - Administration
Peggy Levesque	Mayor	Town of South Prairie - Administration
Janet Kepka	Mayor	Town of Wilkeson - Administration
Luke Meyers	Coordinator II	Pierce County DEM - Mitigation & Recovery
Diane Schurr	Coordinator I	Pierce County DEM - Mitigation & Recovery
Richard Schroedel	Coordinator I	Pierce County DEM - Mitigation & Recovery
Benjamin Pierson	Coordinator I	Pierce County DEM - Mitigation & Recovery
Debbie Bailey	Community Program Educator/GIS Specialist	Pierce County DEM - Training, Exercise & Education

Table 1-2 Planning Team – Fire Group

NAME	TITLE	JURISDICTION-DEPARTMENT
Terri Giles	Emergency Services Director (2006-2007)	American Red Cross
Shirley Hoofard	Emergency Services Director (2007-2008)	American Red Cross
Alicia Jensen	Disaster Services Specialist (2006-2007)	American Red Cross
Shannon O’Leary	Interim EMS Manager	American Red Cross
Jack Andren	Fire Chief	Central Pierce Fire & Rescue #6
Baron Banks	Assistant Fire Chief	Central Pierce Fire & Rescue #6
Matt Holm	Assistant Fire Chief	Central Pierce Fire & Rescue #6
William Thomas	Assistant Fire Chief	Central Pierce Fire & Rescue #6
Penny Hulse	Prevention Division Chief	Gig Harbor Fire & Medic One #5
Eric Watson	Assistant Chief of Support Services	Gig Harbor Fire & Medic One #5
Reggie Romines	Fire Chief	Graham Fire and Rescue #21
Verne Pierson	Fire Commissioner	Graham Fire and Rescue #21
Bruce Tinsley	Support Services Officer	Lakewood Fire District #2
Paul Webb	Fire Chief	Lakewood Fire District #2
Gary McVey	Fire Chief	Browns Point Fire District #13
Cliff McCollum	Assistant Fire Chief	Browns Point Fire District #13
Dennis Chafe	Fire Chief	South Pierce Fire & Rescue #15
Skip Simmons	Volunteer Fire Fighter	South Pierce Fire & Rescue #15
Larry Spohn	Battalion Chief	South Pierce Fire & Rescue #15
Chuck West	Assistant Chief	Peninsula Fire District #16
Rick Stout	Commissioner	Peninsula Fire District #16
Ed Goodlet	Fire Chief	Pierce County Fire District #8
Chuck King	Assistant Fire Chief	Pierce County Fire District #8
Randy Shelton	Fire Chief	Pierce County Fire District #18
Garry Olson	Fire Chief	Pierce County Fire District #23
Anthony Tognazzini	Volunteer Lieutenant, EMT/Safety Officer	Pierce County Fire District #27 (Anderson Island)
David Galentine	Volunteer Fire Fighter/EMT	Pierce County Fire District #27 (Anderson Island)
Luke Meyers	Coordinator II	Pierce County DEM - Mitigation & Recovery
Diane Schurr	Coordinator I	Pierce County DEM - Mitigation & Recovery
Richard Schroedel	Coordinator I	Pierce County DEM - Mitigation & Recovery
Benjamin Pierson	Coordinator I	Pierce County DEM - Mitigation & Recovery
Debbie Bailey	Community Program Educator/GIS Specialist/GIS	Pierce County DEM - Training, Exercise & Education

Table 1-3 Planning Team – School Group

NAME	TITLE	JURISDICTION-DEPARTMENT
Scott Hubbard	Superintendent	Carbonado School District
Judy Martinson	Superintendent	Dieringer School District
Frederick Streeck	Director of Student Support Services	Dieringer School District
Dan Dawkins	Facilities Manager	Eatonville School District
Kathy Hugh	Acting Manager of Support Services	Eatonville School District
Jeff Short	Facilities Manager	Fife School District
Frank Hewins	Superintendent	Franklin Pierce School District
Ted Kilcup	Executive Director of Business and Operations	Franklin Pierce School District
Jennifer Anderson	Science Teacher	Orting School District
Jack Gilletti	Director of Operations	Orting School District
Rex Kerbs	Principal	Orting School District
Jennifer Wamboldt	Emergency Program Manager	Pacific Lutheran University - Finance & Operations
Caroline Antholt	Executive Assistant	Peninsula School District
Gary Frentress	Facilities Manager	Puyallup School District
Jeanne Rynne	Director of Capital Programs	Puyallup School District
Penny Jackson	Assistant Superintendent	Steilacoom Historical School District No. 1
John Cohen	Superintendent	Steilacoom Historical School District No. 1
Sam Bell	Superintendent	Tacoma School District
Ken Wilson	Facilities Director	Tacoma School District
Mike Patterson	Facilities Manager	University Place School District
Ruth Russell	Director of Business Services	University Place School District
Rick Leboyne	Facilities Manager	White River School District
Susan Leland	Transportation Supervisor	White River School District
Roger Marlow	Assistant Superintendent	White River School District
Luke Meyers	Coordinator II	Pierce County DEM - Mitigation & Recovery
Diane Schurr	Coordinator I	Pierce County DEM - Mitigation & Recovery
Richard Schroedel	Coordinator I	Pierce County DEM - Mitigation & Recovery
Benjamin Pierson	Coordinator I	Pierce County DEM - Mitigation & Recovery
Debbie Bailey	Community Program Educator/GIS Specialist/GIS	Pierce County DEM - Training, Exercise & Education

Table 1-4 Planning Team – Utility Group

NAME	TITLE	JURISDICTION-DEPARTMENT
Bruce Muzzey	Certified Operator	Clear Lake Water District
Tom Folk	President & Commissioner	Clear Lake Water District
Ted Hardiman	General Manager	Fruitland Mutual Water Company
David Gaylord	Operations Manager	Graham Hill Mutual Water Company
Roger Nottage	General Manager	Graham Hill Mutual Water Company
Kathleen Nottage	Secretary/Treasurer	Graham Hill Mutual Water Company
Robin Rego	General Manager	Lakeview Light & Power
Mark Hadman	Superintendent of Operations	Lakeview Light & Power
Dave Hall	Department Head of Pumping Operations & Water Treatment	Lakewood Water District
Don Stanley	Water Worker 3	Lakewood Water District
Marc Marcantonio	General Manager	Mt. View-Edgewood Water Company
Mike Craig	Field Manager	Mt. View-Edgewood Water Company
Isabella Deditch	General Manager	Ohop Mutual Light
Ken Klotz	Operations Supervisor	Ohop Mutual Light
Andy Michels	Senior Manager of Administration Services	Port of Tacoma - Risk Management
Diane Kapsh	Human Resources Clerk	Port of Tacoma - Risk Management
Jon Cave	Lead Field Worker	Summit Water and Supply Company
Darryl Scott	Manager	Summit Water and Supply Company
Dave Troupe	Draftsman/I.T. Technician	Summit Water and Supply Company
Betty Vance	Business Manager	Valley Water District
Luke Meyers	Coordinator II	Pierce County DEM - Mitigation & Recovery
Diane Schurr	Coordinator I	Pierce County DEM - Mitigation & Recovery
Richard Schroedel	Coordinator I	Pierce County DEM - Mitigation & Recovery
Benjamin Pierson	Coordinator I	Pierce County DEM - Mitigation & Recovery
Debbie Bailey	Community Program Educator/GIS Specialist/GIS	Pierce County DEM - Training, Exercise & Education

Planning Team Meetings

The Planning Team held 14 Planning Team Meetings for each Planning Group or a total of 56 meetings from February 22, 2006 to October 31, 2007. Each meeting presented an opportunity for discussion, review, and evaluation of the Plan among the Planning Groups. Planning Team Members Luke Meyers, Diane Schurr, Benjamin Pierson, and Richard Schroedel coordinated the meetings. Table 1-5 documents these meetings including name, date, place and description of each meeting for each group.

Table 1-5 Planning Team Meetings

Planning Team Kickoff Meeting - Pierce County Library Administration Bldg.	
February 22, 2006	City/Town Group
February 22, 2006	Fire Group
February 23, 2006	Utility Group
February 27, 2006	School Group
<p>Where Planning Team members Luke Meyers and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Introduction of Planning Team, Review of the history of the Grant Application, Defining Hazard Mitigation, Defining the Planning Requirements, Benefits of Developing a Plan, Defining the Planning Process, Draft Work Schedule, Draft Work Plan, Establishing the Planning Team Meetings, Elected Official Meetings and Public Comment Meetings, reviewing sample completed plans, and defining next steps.</p>	
Planning Team Meeting #1 - Pierce County Library Administration Building	
March 28, 2006	School Group
March 29, 2006	Fire Group
March 30, 2006	City/Town Group
March 30, 2006	Utility Group
<p>Where Planning Team members Luke Meyers and Diane Schurr conducted the meetings 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 including History of the Grant Application, Defining the Planning Requirements, Benefits of Developing a Plan, Defining the Process, the Draft Work Schedule and Work Plan, Establishing the Planning Team Meetings, Elected Official Meetings and Public Comment Meetings, and explaining the next steps.</p> <p>This meeting focused on the Infrastructure Forms and information collecting for owned facilities and systems. 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. A goal identification exercise was conducted to narrow the scope of the goals as previously defined. Everyone was reminded to set up their Elected Official meetings and to name an alternate in the event they had to miss a meeting. Information was handed out to be used for public notices, website content or letters of information for anyone who wanted to do that type of information sharing.</p>	
Planning Team Meeting #2 - Pierce County Library Administration Building	
April 25, 2006	School Group
April 26, 2006	Fire Group
April 27, 2006	City/Town Group
April 27, 2006	Utility Group
<p>Where Planning Team members Luke Meyers and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Reminder to set up Elected Official meetings (still need 22), reminder to name an alternate to attend meetings. There was a recap of the Infrastructure Forms and the information necessary and some forms were collected at the meeting. The primary discussion for this meeting revolved around inter-dependencies. A form was used to help define who the different jurisdictions rely on to make it possible for them to provide their services and who relies on them. Still looking for Resources that would be useful in documentation. The updated jurisdiction list which now totals 48 was handed out.</p>	

Planning Team Meeting #3 - Pierce County Library Administration Building	
May 23, 2006	School Group
May 25, 2006	City/Town Group
May 25, 2006	Utility Group
May 31, 2006	Fire Group
<p>Where Planning Team members Luke Meyers and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Reminder to set up Elected Official meetings (still need 11), reminder to name an alternate to attend meetings. The primary focus of the meeting was an explanation of the Risk Assessment and beginnings of looking at the local hazards for each jurisdiction. There was also some discussion about hazard maps, jurisdiction maps and dependency graphs as well as updated goals for mitigation strategies.</p>	
Planning Team Meeting #4 - Pierce County Library Administration Building and Department of Licensing Classroom	
June 20, 2006	School Group
June 28, 2006	Fire Group
June 29, 2006	City/Town Group
June 29, 2006	Utility Group
<p>Where Planning Team members Luke Meyers, Benjamin Pierson, and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Reminder to be finishing up the Elected Official meetings, reminder to finish infrastructure and dependency information. Discussed FEMA Declaration 1641 for severe storms for 11 counties in Washington State and the process for applying for mitigation funds. (Pierce was not one of the counties). Discussion of Draft Hazard Identification handouts.</p>	
Planning Team Meeting #5 - Pierce County Library Administration Building	
July 27, 2006	City/Town Group
July 26, 2006	Fire Group
July 25, 2006	School Group
July 27, 2006	Utility Group
<p>Where Planning Team members Luke Meyers, Benjamin Pierson, and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Reminder to finish Elected Official Meetings for the few left, suggestion that people include information on website about the planning effort, going over the individual draft Profile Sections (Section 2), and discussion regarding same. Also discussed the upcoming Site Visits and set up appointments.</p>	

Planning Team Meeting #6 - Pierce County Library Administration Building	
January 25, 2007	City/Town Group
January 25, 2007	Utility Group
January 30, 2007	School Group
January 31, 2007	Fire Group
<p>Where Planning Team members Luke Meyers, Benjamin Pierson, and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Draft Profile Sections and Draft Risk Assessment Sections were distributed to all jurisdictions and discussed as well as Base Maps and Hazard Maps for each jurisdiction. All of these materials are now live on the County Website for each jurisdiction. The majority of the meeting was spent debriefing each jurisdiction on their experiences and lessons learned from the November Flood and the December Windstorm. The meetings were particularly well attended and were at least two hours in length as the discussions were very informative. It is anticipated notes from these meetings will help to formulate mitigation strategies for this plan.</p>	
Planning Team Meeting #7 - Pierce County Library Administration Building	
February 22, 2007	City/Town Group
February 22, 2007	Utility Group
February 27, 2007	School Group
February 28, 2007	Fire Group
<p>Where Planning Team members Luke Meyers, Benjamin Pierson, and Diane Schurr conducted the meetings and the Planning Team discussed the following items: Review of all information completed or in draft to include the draft profile, the draft risk assessment pages, the jurisdiction hazard maps (base map as well as earthquake, landslide, volcano and flood) and other administrative items such as meeting schedule for the coming year. The majority of the meeting was dedicated to an informational review of the flood event in November and the windstorm event in December and how those events impacted the different jurisdictions, lessons learned, areas of concern identified and other helpful information as well as just story sharing.</p>	
Planning Team Meeting #8 - Pierce County Library Administration Building	
March 27, 2007	School Group
March 28, 2007	Fire Group
March 29, 2007	City/Town Group
March 29, 2007	Utility Group
<p>Where Planning Team members Diane Schurr and Richard Schroedel conducted the meeting conducted the meetings and the Planning Team discussed the following item: Capability Identification Section. During the month the information from the previous surveys was input to the Capability Identification Section for each jurisdiction. This meeting was a working session to go over the forms and brainstorm all the possible capabilities that could be added and in what categories. The various groups came up with a lot of different capabilities specific to their line of business. The jurisdictions will receive their finished Capabilities Sections at the April meeting.</p>	
Planning Team Meeting #9 - Pierce County Library Administration Building	
April 24, 2007	School Group
April 25, 2007	Fire Group
April 26, 2007	City/Town Group
April 26, 2007	Utility Group

Where planning team members Luke Meyers, Diane Schurr, and Richard Schroedel conducted the meetings and the Planning Team discussed specific measurable objectives to meet the goals that were determined at Planning Meeting #1. This meeting was a workshop to help get people thinking about reasonable and obtainable objectives prior to moving forward with Mitigation Strategies at the next meeting.

Planning Team Meeting #10 - Pierce County Library Administration Building

May 29, 2007	School Group
May 30, 2007	Fire Group
May 31, 2007	City/Town Group
May 31, 2007	Utility Group

Where planning team members Luke Meyers, Diane Schurr, and Richard Schroedel conducted the meetings and the Planning Team discussed the measurable objectives that each of the groups described. A list was compiled and shared at this meeting and each group selected those objectives that worked for them in their specific jurisdictions. We then entered into a discussion regarding Mitigation Measures and how those will be documented. We also discussed how Mitigation Measures will be prioritized and justified through the cost benefit process. We will have further discussions on the Mitigation Measures at the June meeting.

Planning Team Meeting #11 - Pierce County Library Administration Building

June 26, 2007	School Group
June 27, 2007	Fire Group
June 28, 2007	City/Town Group
June 28, 2007	Utility Group

Where planning team members Luke Meyers, Diane Schurr, and Richard Schroedel conducted the meetings and the Planning Team discussed in more detail the process of writing Objectives to the Goals and then drafting Mitigation Measures for the Objectives. A Mitigation Measures Form has been developed and was discussed at length during the meeting to help the jurisdictions get started on their measures. At this meeting we discussed the fact the July meetings have been cancelled in an effort to allow one-on-one time with any jurisdictions that want to meet independently to work on parts of their plans. Many jurisdictions have already scheduled appointments for July and August. The next scheduled meeting of the four planning groups will be in September as the August meetings will be Regional Meetings, see Page 1-14.

Planning Team Meeting #12 - Pierce County Library Administration Building

September 25, 2007	School Group
September 26, 2007	Fire Group
September 27, 2007	City/Town Group
September 27, 2007	Utility Group

Where planning team members Luke Meyers, Diane Schurr, and Richard Schroedel conducted the meetings and the Planning Team discussed in detail the final stages of the project. The group was given specific information on how to fill out the Plan Maintenance section. Questions were asked regarding the Mitigation Measures and the upcoming deadline (October 31) on that part of the plan. The next meeting, October, 2007, will be the last group meeting before moving into the final documentation stages. Public Information meetings will be held in December. The planning team members will use November for documentation time and meeting the December deadline for the first draft product.

Planning Team Meeting #13 - Pierce County Library Administration Building	
October 25, 2007	City/Town Group
October 25, 2007	Utility Group
October 30, 2007	School Group
October 31, 2007	Fire Group
Where planning team members Luke Meyers, Diane Schurr, and Richard Schroedel conducted the final group meetings for this planning effort. The entire project was reviewed and specific gaps were brought to view. The only outstanding sections to date are a few Mitigation Measures sections and also some Plan Maintenance sections. Every effort will be made to bring these up to date by the end of November prior to the Public Meetings to be held in December.	

Regional Planning Team Meetings

During the month of August, 2007, the monthly Group Meetings were replaced with eight Regional Planning Team Meetings. Because the groups always meet with their own like jurisdictions each month, it was decided to bring the regions together in order to discuss Regional Mitigation Measures. The meetings were set up primarily by geographical area in order to address regional hazards and mitigation measures for those Mitigation Measures that more than one jurisdiction might want to partner to develop. Table 1-6 documents those meetings.

Table 1-6 Regional Planning Team Meetings

Regional Planning Team Meeting – Southeast Planning Area	
August 7, 2007	Eatonville Community Center, Eatonville, WA
Town of Eatonville, Eatonville School District, Ohop Light and Power Company, Clear Lake Water Company, Ashford/Elbe Fire District #23, South Pierce Fire District #15, Pierce County Water Programs, American Red Cross, and Tacoma Power were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	
Regional Planning Team Meeting – East Planning Area	
August 8, 2007	Orting Multi-Purpose Center, Orting, WA
City of Orting, Orting Fire District #18, American Red Cross, Orting Police, and Orting School District were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	
Regional Planning Team Meeting – Tacoma Planning Area	
August 9, 2007	Tacoma Police Department, Tacoma, WA
City of Tacoma, Tacoma Fire, Tacoma Police, City of Fircrest, Port of Tacoma, American Red Cross, and Tacoma Buildings Department were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	
Regional Planning Team Meeting – Northeast Planning Area	
August 14, 2007	Gig Harbor Fire Training Facility, Gig Harbor, WA
City of Gig Harbor, American Red Cross, Key Peninsula Fire District #16, and Peninsula School District were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	

Regional Planning Team Meeting – Southwest Planning Area	
August 15, 2007	Lakewood Fire Training Center, Lakewood, WA
City of DuPont, Anderson Island Fire District #27, Lakewood Water District, Steilacoom Historic School District, Lakewood Fire District #2, State Farm Insurance Company, and American Red Cross were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	
Regional Planning Team Meeting – Northwest Planning Area (Peninsula)	
August 16, 2007	City of Fife Council Chambers, Fife, WA
City of Fife, City of Milton, American Red Cross, Fife School District, Edgewood Fire District #8, Pierce County Water Programs, City of Edgewood, and Edgewood Police Department were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	
Regional Planning Team Meeting – Central Planning Area	
August 21, 2007	Graham Fire Station #1, Graham, WA
Bethel School District, Graham Hill Mutual Water Company, Fruitland Mutual Water, Central Pierce Fire District #6, Spanaway Water Company, Summit Water Company, Pierce County Recycling Composting & Disposal, Graham Fire & Rescue #21, Firgrove Water Company, Franklin Pierce School District, Pacific Lutheran University, and Puyallup School District were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	
Regional Planning Team Meeting – North Planning Area	
August 22, 2007	Buckley Town Hall, Buckley, WA
Rainier School, American Red Cross, Puget Sound Energy, City of Bonney Lake, Pierce County Water Programs, Town of South Prairie, Washington State Department of Natural Resources, Town of Wilkeson, City of Buckley, White River School District, Crystal River Ranch, East Pierce Fire & Rescue, Dieringer School District, and City of Sumner were in attendance as regional hazards were reviewed and regional mitigation measures discussed.	

One-on-One Mitigation Measures Meetings

In looking at the progress at this point in the project, July 2007, and considering the importance of developing realistic Mitigation Measures, it was decided to cancel the July 2007 group meetings in order to hold “One-on-One” meetings with individual jurisdictions at their request to assist them in completing their Objectives and Measures. These meetings were held during the month of July and August 2007 and 28 jurisdictions signed up for individual meetings. The rest of the jurisdictions did mitigation measures on their own. Table 1-7 documents these meetings including: name, date, place, and description.

Table 1-7 Region 5 One-on-One Mitigation Measures Meetings

One-on-One Meeting with City of Orting	
July 3, 2007	Orting Fire Station, Orting, WA
Where Planning Team members Luke Meyers, Richard Schroedel and Diane Schurr met with the City Manager, City Fire Chief, City Police Chief and Public Works Officials to review the Mitigation Objectives and draft Mitigation Measures for the City of Orting Mitigation Plan.	

One-on-One Meeting with Steilacoom Historic School District	
July 9, 2007	Steilacoom High School Administration
Where Planning Team members Richard Schroedel and Diane Schurr met with John Cohen to review the Mitigation Objectives and draft Mitigation Measures for the Steilacoom Historic School District Hazard Mitigation Plan.	
One-on-One Meeting with Fife School District	
July 10, 2007	Fife School District Administration
Where Planning Team members Luke Meyers and Diane Schurr met with Jeff Short to review the Mitigation Objectives and draft Mitigation Measures for the Fife School District Hazard Mitigation Plan.	
One-on-One Meeting with Fruitland Mutual Water Company	
July 10, 2007	Fruitland Mutual Water Office
Where Planning Team members Richard Schroedel and Diane Schurr met with Ted Hardiman to review the Mitigation Objectives and draft Mitigation Measures for the Fruitland Mutual Water Company Hazard Mitigation Plan.	
One-on-One Meeting with Carbonado School District	
July 11, 2007	Carbonado School District Administration
Where Planning Team members Luke Meyers and Richard Schroedel met with Scott Hubbard to review the Mitigation Objectives and draft Mitigation Measures for the Carbonado School District Hazard Mitigation Plan.	
One-on-One Meeting with Clear Lake Water District	
July 13, 2007	Clear Lake Water District Headquarters
Where Planning Team members Luke Meyers and Diane Schurr met with the General Manager and Administration to review the Mitigation Objectives and draft Mitigation Measures for Clear Lake Water District Hazard Mitigation Plan.	
One-on-One Meeting with Graham Fire and Rescue District #21	
July 19, 2007	Graham Fire Station #4
Where Planning Team members Richard Schroedel and Diane Schurr met with the Chief and several Assistant Chiefs to review the Mitigation Objectives and draft Mitigation Measures for the Graham Fire and Rescue District #21 Hazard Mitigation Plan.	
One-on-One Meeting with Pacific Lutheran University	
July 26, 2007	Pacific Lutheran University Administration
Where Planning Team members Richard Schroedel and Diane Schurr met with Jennifer Wamboldt to review the Mitigation Objectives and draft Mitigation Measures for Pacific Lutheran University Hazard Mitigation Plan.	
One-on-One Meeting with Key Peninsula Fire District #16	
July 26, 2007	Key Peninsula Fire Station #2
Where Planning Team members Luke Meyers and Diane Schurr met with Chief Chuck West to review the Mitigation Objectives and draft Mitigation Measures for the Key Peninsula Fire District Hazard Mitigation Plan.	
One-on-One Meeting with Orting Fire District #18	
July 31, 2007	Orting Fire Station #1
Where Planning Team members Richard Schroedel and Diane Schurr met with Chief Randy Shelton to review the Mitigation Objectives and draft Mitigation Measures for the Orting Fire District #18 Hazard Mitigation Plan.	

One-on-One Meeting with Town of Wilkeson	
August 1, 2007	Wilkeson Town Hall
Where Planning Team members Luke Meyers and Diane Schurr met with Mayor Janet Kepka to review the Mitigation Objectives and draft Mitigation Measures for the Town of Wilkeson Hazard Mitigation Plan.	
One-on-One Meeting with City of DuPont	
August 6, 2007	City of DuPont Fire Station #2
Where Planning Team members Richard Schroedel and Diane Schurr met with Lori Bisping to review the Mitigation Objectives and draft Mitigation Measures for the City of DuPont Hazard Mitigation Plan.	
One-on-One Meeting with Lakewood Fire District #2	
August 7, 2007	Lakewood Fire Station #1
Where Planning Team members Richard Schroedel and Diane Schurr met with Chief Bruce Tinsley to review the Mitigation Objectives and draft Mitigation Measures for the Lakewood Fire District #2 Hazard Mitigation Plan.	
One-on-One Meeting with City of Edgewood	
August 10, 2007	City of Edgewood City Hall
Where Planning Team members Luke Meyers and Richard Schroedel met with the City Planner and Police Chief to review the Mitigation Objectives and draft Mitigation Measures for the City of Edgewood Hazard Mitigation Plan.	
One-on-One Meeting with South Pierce Fire District #15	
August 13, 2007	South Pierce Fire Station #1
Where Planning Team member Diane Schurr met with the Fire Commissioners of the South Pierce Fire District #15 to review the Mitigation Objectives and draft Mitigation Measures for the South Pierce Fire District Hazard Mitigation Plan.	
One-on-One Meeting with Orting School District	
August 13, 2007	Orting School District Administration
Where Planning Team members Richard Schroedel and Diane Schurr met with Jenny Anderson to review the Mitigation Objectives and draft Mitigation Measures for the Orting School District Hazard Mitigation Plan.	
One-on-One Meeting with University Place School District	
August 14, 2007	University Place School Administration
Where Planning Team member Richard Schroedel met with Mike Patterson to review the Mitigation Objectives and draft Mitigation Measures for the University Place School District Hazard Mitigation Plan.	
One-on-One Meeting with Central Pierce Fire District #6	
August 17, 2007	DEM Conference Room
Where Planning Team member Luke Meyers met with Baron Banks to review the Mitigation Objectives and draft Mitigation Measures for the Central Pierce Fire District Mitigation Plan.	
One-on-One Meeting with Lakewood Water District	
August 20, 2007	Lakewood Water District Administration
Where Planning Team member Luke Meyers met with Dave Hall and Don Stanley to review the Mitigation Objectives and draft Mitigation Measures for the Lakewood Water District Hazard Mitigation Plan.	

One-on-One Meeting with Port of Tacoma	
August 23, 2007	Teleconference to Port of Tacoma from DEM
Where Planning Team member Luke Meyers talked with Andy Michels to review the Mitigation Objectives and draft Mitigation Measures for the Port of Tacoma Mitigation Plan.	
One-on-One Meeting with Ashford/Elbe Fire District #23	
August 23, 2007	Ashford/Elbe Fire Station
Where Planning Team member Richard Schroedel met with Garry Olson to review the Mitigation Objectives and draft Mitigation Measures for the Ashford/Elbe Fire District #23 Hazard Mitigation Plan.	
One-on-One Meeting with the Town of South Prairie	
August 23, 2007	Town of South Prairie Town Hall
Where Planning Team member Richard Schroedel met with Peggy Levesque to review the Mitigation Objectives and draft Mitigation Measures for the Town of South Prairie Hazard Mitigation Plan.	
One-on-One Meeting with Graham Hill Mutual Water Company	
August 24, 2007	Graham Hill Mutual Water Company Headquarters
Where Planning Team member Luke Meyers met with Roger Nottage and Kathleen Nottage to review the Mitigation Objectives and draft Mitigation Measures for the Graham Hill Mutual Water Company Hazard Mitigation Plan.	
One-on-One Meeting with the City of Buckley	
August 29, 2007	City of Buckley City Hall
Where Planning Team member Richard Schroedel met with Fire Chief Alan Predmore, the Mayor, City Manager, Police Chief, Public Works Official, City Utilities, and City Building Official to review the Mitigation Objectives and draft Mitigation Measures for the City of Buckley Hazard Mitigation Plan.	
One-on-One Meeting with the City of Tacoma	
August 30, 2007	Tacoma Police Department Conference Room
Where Planning Team members Luke Meyers and Richard Schroedel met with Tacoma Fire, Tacoma Building Officials, and Tacoma Public Works to review the Mitigation Objectives and draft Mitigation Measures for the City of Tacoma Hazard Mitigation Plan.	
One-on-One Meeting with Mt. View-Edgewood Water Company	
August 30, 2007	Mt. View-Edgewood Water Headquarters
Where Planning Team member Luke Meyers met with Marc Marcantonio to review the Mitigation Objectives and Mitigation Measures for the Mt. View-Edgewood Water Company Hazard Mitigation Plan.	
One-on-One Meeting with Lakeview Light and Power Company	
October 5, 2007	Lakeview Light and Power Administration
Where Planning Team member Diane Schurr and Luke Meyers met with Mark Hadman to review the Mitigation Objectives and Mitigation Measures for the Lakeview Light and Power Company Hazard Mitigation Plan.	
One-on-One Meeting with Valley Water District	
October 11, 2007	Valley Water District
Where Planning Team member Richard Schroedel met with Betty Vance to review the Mitigation Objectives and Mitigation Measures for the Valley Water District Mitigation Plan.	

Hazard Meetings

Hazard Meetings helped verify the current state of hazards identified in Region 5 and provided a more comprehensive understanding of the ways in which hazards have impacted the area. Members of the Planning Team coordinated six Hazard Meetings including: workshops, hazard expert interviews, and local official interviews with hazard-specific knowledge. Some of these meetings were based from the Pierce County Hazard Mitigation Plan where the entire County was discussed with regards to the natural hazards. The Region 5 Planning Team used information from these meetings and the experts involved. Table 1-8 documents these meetings including: name, date, place, and description.

Table 1-8 Hazard Meetings

Pierce County Earthquake Hazard Meeting	
May 10, 2006	University of Washington, Parrington Hall
Where Planning Team members Luke Meyers, Benjamin Pierson, and Diane Schurr attended a CPARM meeting where Craig Weaver, Bill Steele and Brain Sherrod presented new information on the Tacoma Fault earthquake hazard.	
Pierce County Severe Storms Hazard Meeting	
July 27, 2006	Alderton-McMillin Land Use Planning
Where Planning Team member Luke Meyers attended a meeting to discuss the critical hazards that are related to this planning area and ways to reduce vulnerability. The Mitigation Planning effort was discussed and those team members located in this specific planning area were identified.	
Pierce County Severe Storms Hazard Meeting	
October 17, 2006	National Weather Service, Sandpoint, Seattle
Where Planning Team Members attended a seminar presented by Ted Buehner from NWS and discussed the severe storms hazard and winter outlook for King and Pierce Counties.	
Pierce County Geologic Hazard Meeting	
November 20, 2006	2501 South 38 th , Suite D, DEM
Where Planning Team members Luke Meyers, Benjamin Pierson, and Diane Schurr met with Tim Walsh from DNR and George Crawford of the State Emergency Management Department, Kathleen Brooks and Debby Hyde and discussed the Tacoma Fault and other earthquake hazards, and the new tsunami research and documentation for Pierce County.	
Pierce County Flood Hazard Meeting	
February 7, 2007	Environmental Services Building
Where Planning Team members met with Randy Brake, Tony Fantello, and Hans Hunger from PC Water Programs and discussed the flood hazard in unincorporated Pierce County's flood hazard areas.	
National Weather Service Winter Briefing and Forecast Seminar	
September 28, 2007	Sand Point Station, Seattle
Where Planning Team members Luke Meyers, Richard Schroedel, and Diane Schurr attended the annual Weather Forecast Seminar hosted by National Weather Service in Seattle.	
Pierce County Wildland/Urban Interface Fire Hazard Meeting	
February 28, 2008	2501 South 38 th , Suite D – DEM
Where Planning Team member Richard Schroedel met with Chuck Frame from the Department of Natural Resources on the Wildland/Urban Interface fire threat in Pierce County.	

Elected Official's Meetings

Elected Official's Meetings allowed the Planning Team and DEM to get approval from the Elected Officials of each jurisdiction. These meetings were done in the beginning of the process to educate them on the requirement and the use of their resources and at the end of the process to get their approval on the Plan. Table 1-9, Elected Official's Meetings, and Table 1-10, Final Elected Official's Meetings, document these meetings to include: name, date, place, and description.

Table 1-9 First Elected Official's Meetings

Hazard Mitigation Plan Presentation For Tacoma Public School District Board	
March 3, 2006	Tacoma Public School District Boardroom
Where Planning Team members Ken Wilson and Sam Bell presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of participating jurisdictions to the Tacoma School Board via the Friday Report.	
Hazard Mitigation Plan Presentation For PC Fire District #18 Commissioners	
March 7, 2006	PC Fire District #18 Headquarters Station
Where Planning Team members Luke Meyers, Diane Schurr, and Randy Shelton presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of participating jurisdictions to the Orting Fire District Fire Commissioners and general public.	
Hazard Mitigation Plan Presentation For Franklin Pierce School District Board	
March 14, 2006	Franklin Pierce School District Administration Building
Where Planning Team members Luke Meyers, Diane Schurr, and Frank Hewins presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of participating jurisdictions to the Franklin Pierce School District Board of Directors, other school district personnel, and general public.	
Hazard Mitigation Plan Presentation For Eatonville School District Board	
March 22, 2006	Eatonville School District Board Room
Where Planning Team member Dan Dawkins, Director of Maintenance and Transportation, presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of participating jurisdictions to the Eatonville School District Board.	
Hazard Mitigation Plan Presentation For City of Edgewood Mayor and Council	
March 28, 2006	Mt. View Edgewood Lutheran Church
Where Planning Team members Luke Meyers, Diane Schurr, and Roger Toles presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of participating jurisdictions to the Mayor, City Council, and general public.	
Hazard Mitigation Plan Presentation for Lakeview Light & Power Board	
April 7, 2006	Lakeview Light & Water Company Boardroom
Where Planning Team members Luke Meyers, Diane Schurr, and Robin Rego presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Lakeview Light & Water Company Board and general public at their regularly scheduled meeting.	

Hazard Mitigation Plan Presentation For Town of Eatonville Mayor and Council	
April 10, 2006	Town of Eatonville Community Center
Where Planning Team members Diane Schurr and Gaille Finley presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Eatonville Mayor, Town Council, and general public.	
Hazard Mitigation Plan Presentation For PC Fire District #23 Commissioners	
April 10, 2006	PC Fire District #23 Headquarters Station
Where Planning Team members Luke Meyers and Garry Olsen presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to Ashford-Elbe Fire Commissioners and general public.	
Hazard Mitigation Plan Presentation For Mt. View-Edgewood Water Company Board	
April 12, 2006	Mt. View Edgewood Water Company Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Marc Marcantonio presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Mt. View-Edgewood Water Company Board.	
Hazard Mitigation Plan Presentation For Fruitland Mutual Water Company Board	
April 17, 2006	Fruitland Mutual Water Company Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Roger Nottage presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Fruitland Water District Board.	
Hazard Mitigation Plan Presentation For Carbonado Historical School District Board	
April 17, 2006	Carbonado School District Administration
Where Planning Team member Scott Hubbard, Superintendent of Carbonado School District presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Carbonado Historical School District Board.	
Hazard Mitigation Plan Presentation For Valley Water District Board	
April 18, 2006	Valley Water District Headquarters
Where Planning Team members Diane Schurr and Betty Vance presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Valley Water District Board.	
Hazard Mitigation Plan Presentation For Pacific Lutheran University Safety Board	
April 20, 2006	Pacific Lutheran University Main Hall
Where Planning Team members Luke Meyers, Diane Schurr, and Jennifer Wamboldt presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Pacific Lutheran University Safety Board.	
Hazard Mitigation Plan Presentation For Gig Harbor Fire District #5 Commissioners	
April 24, 2006	Gig Harbor Fire District Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Penny Hulse presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Gig Harbor Fire District Commissioners, Fire Chief, and general public.	

Hazard Mitigation Plan Presentation For City of Gig Harbor Council	
April 24, 2006	Gig Harbor City Hall
Where Planning Team members Luke Meyers, Diane Schurr, and Dick Bowers presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Gig Harbor Mayor, City Council, and general public.	
Hazard Mitigation Plan Presentation For Summit Water & Supply Company Board	
April 25, 2006	Summit Water & Supply Company Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Darryl Scott presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Summit Water & Supply Company Board and the general public.	
Hazard Mitigation Plan Presentation For City of Buckley Council	
April 25, 2006	City of Buckley City Hall
Where Planning Team members Luke Meyers, Diane Schurr, and Alan Predmore presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Buckley Mayor, City Council, and general public.	
Hazard Mitigation Plan Presentation For Town of Wilkeson Mayor and Council	
April 26, 2006	Wilkeson Town Hall
Where Planning Team members Luke Meyers, Diane Schurr, and Janet Kepka presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Wilkeson Mayor, Town Council, and general public.	
Hazard Mitigation Plan Presentation For Pierce County Commissioners	
April 27, 2006	Key Peninsula Fire Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Verne Pierson presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Pierce County Fire Commissioners and guests. This meeting counted as the elected officials meeting for Fire District 16. In addition the Brown's Point Fire Commissioners attended the meeting and decided to join the planning group.	
Hazard Mitigation Plan Presentation For Anderson Island Fire District #27 Commissioners	
May 1, 2006	Anderson Island Fire Station
Where Planning Team members Luke Meyers, Diane Schurr, Anthony Tognazzini and Dave Galentine presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Anderson Island Fire District Commissioners, Fire Chief, and general public.	
Hazard Mitigation Plan Presentation For University Place School District Board	
May 10, 2006	University Place School District Administrative Bldg
Where Planning Team members Ruth Russell and Mike Patterson presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the University Place School District Board.	

Hazard Mitigation Plan Presentation For Lakewood Fire District #2 Commissioners	
May 8, 2006	Lakewood Fire District Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Bruce Tinsley presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Lakewood Fire District Commissioners, Fire Chief, and general public.	
Hazard Mitigation Plan Presentation For Graham Fire District #21 Commissioners	
May 8, 2006	Graham Fire District Headquarters
Where Planning Team members Diane Schurr and Verne Pierson presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Graham Fire District Commissioners, Fire Chief, and general public.	
Hazard Mitigation Plan Presentation For City of Milton Mayor and Council	
May 8, 2006	City of Milton City Hall
Where Planning Team members Luke Meyers and Jim Jaques presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the City of Milton Mayor, Council Members, and general public.	
Hazard Mitigation Plan Presentation For City of Fircrest Mayor and Council	
May 15, 2006	City of Fircrest City Hall
Where Planning Team members Luke Meyers, Diane Schurr, and Mark Burlingame presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Mayor and City Council in a study session.	
Hazard Mitigation Plan Presentation For City of Orting Mayor and Council	
May 17, 2006	City of Orting Multi-Purpose Center
Where Planning Team members Luke Meyers, Diane Schurr, and Mark Bethune presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the City of Orting Mayor, Council Members, and general public.	
Hazard Mitigation Plan Presentation For Lakewood Water District Board	
May 18, 2006	Lakewood Water District Headquarters
Where Planning Team member Diane Schurr presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Lakewood Water District Board and general public.	
Hazard Mitigation Plan Presentation For Central Pierce Fire District #6 Commissioners	
May 22, 2006	Central Pierce Fire District Headquarters
Where Planning Team members Luke Meyers, Diane Schurr, and Chief Jack Andren presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Central Pierce Fire District Commissioners and general public.	

Hazard Mitigation Plan Presentation For City of Lakewood Mayor and Council	
May 22, 2006	City of Lakewood City Hall
Where Planning Team members Luke Meyers, Diane Schurr, and Dave Hall presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the City of Lakewood Mayor and Council Members in a study session.	
Hazard Mitigation Plan Presentation For Dieringer School District Board	
May 30, 2006	Dieringer School District Administrative Bldg
Where Planning Team member Frederick Streeck, Director of Student Support Services, presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Dieringer School District Board.	
Hazard Mitigation Plan Presentation For Fife School District Board	
May 30, 2006	Fife School District Board Room
Where Planning Team member Jeff Short presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Fife School District Board.	
Hazard Mitigation Plan Presentation For Town of South Prairie Mayor and Council	
June 6, 2006	Town of South Prairie Town Hall
Where Planning Team members Luke Meyers and Diane Schurr presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Town of South Prairie Mayor, Town Council Members, and general public.	
Hazard Mitigation Plan Presentation For Puyallup School District Board	
June 12, 2006	Puyallup School District Administration Building
Where Planning Team member Gary Frentress presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of participating jurisdictions to the Puyallup School District Board of Directors, other school district personnel, and general public.	
Hazard Mitigation Plan Presentation For City of Tacoma Mayor and Council	
June 13, 2006	City of Tacoma City Hall Council Chambers
Where Planning Team members Luke Meyers, Benjamin Pierson, and Jeff Jensen presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the City of Tacoma Mayor Baarsma and City Council members in a study session.	
Hazard Mitigation Plan Presentation For Clear Lake Water District Board	
June 19, 2006	Clear Lake Water District Headquarters
Where Planning Team members Luke Meyers, Benjamin Pierson, and Tom Folk presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Clearlake Water District Board and the general public.	

Hazard Mitigation Plan Presentation For City of DuPont Mayor and City Council	
June 20, 2006	City of DuPont City Hall
Where Planning Team members Luke Meyers, Benjamin Pierson, and Chris Jensen presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the City of Dupont Mayor and City Council and the general public.	
Hazard Mitigation Plan Presentation For Orting School District Board	
June 23, 2006	Orting School Board Room
Where Planning Team member Rex Kerbs presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Orting School District Board of Directors.	
Hazard Mitigation Plan Presentation For American Red Cross CEO	
July 12, 2006	American Red Cross Director's Office
Where Planning Team members Diane Schurr, Alicia Jensen and Terri Giles presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to Gerald Moczynski, CEO of Mt. Rainier Chapter.	
Hazard Mitigation Plan Presentation For Ohop Mutual Light & Power Company	
July 25, 2006	Ohop Mutual Light & Power Board Room
Where Planning Team members Diane Schurr and Ken Klotz presented the history of the project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Ohop Mutual Board of Directors.	
Hazard Mitigation Plan Presentation For City of Fife Mayor and Council	
June 27, 2006	City of Fife City Hall
Where Planning Team members Benjamin Pierson and Diane Schurr, presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the City of Fife Mayor, City Council, and the general public.	
Hazard Mitigation Plan Presentation For South Pierce Fire District #15 Commissioners	
August 14, 2006	South Pierce Fire Board Room
Where Planning Team members Diane Schurr and Larry Spohn presented the history of the project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the South Pierce Fire District Board of Commissioners.	
Hazard Mitigation Plan Presentation For Graham Hill Mutual Water Company Board	
August 15, 2006	Graham Hill Mutual Water Board Room
Where Planning Team members Diane Schurr and Roger Nottage presented the history of the project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Graham Hill Mutual Water Board of Directors.	
Hazard Mitigation Plan Presentation For Steilacoom Historical School District Board	
August 24, 2006	Steilacoom School Board Room
Where Planning Team members Luke Meyers and John Cohen presented the history of this project, the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and a list of the participating jurisdictions to the Steilacoom Historic School District Board of Directors.	

Final Elected Official's Meetings

The Final Elected Official's Meetings served as a part of the pre-adoption review process. These meetings were done close to the end of the process to review all the draft documentation with the Elected Officials prior to submitting the plans for approval to Washington State Emergency Management Division (EMD) and FEMA. Once the plans are approved by State EMD and FEMA, each jurisdiction will pass a resolution adopting their plan. Table 1-10, Final Elected Official's Meetings, documents these meetings to include: name, date, place, and description.

Table 1-10 Final Elected Official's Meetings

Hazard Mitigation Plan Presentation For Graham Hill Mutual Water Company Board	
October 17, 2007	Graham Hill Mutual Water Company
Where Planning Team member David Gaylord presented the history, the requirements, the complete draft plan sections for Graham Hill Mutual Water Company, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Carbonado School District Board	
February, 2008	Carbonado School District
Where Planning Team member Scott Hubbard presented the history, the requirements, the complete draft plan sections for Carbonado School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Edgewood Mayor and Council	
February 5, 2008	City of Edgewood
Where Planning Team members Luke Meyers and Diane Schurr presented the history, the requirements, the complete draft plan sections for City of Edgewood, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Orting Fire District #18 Commissioners	
February 5, 2008	Orting Fire District #18
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Orting Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Gig Harbor Mayor and Council	
February 11, 2008	City of Gig Harbor
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for City of Gig Harbor, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Graham Fire District #21 Commissioners	
February 11, 2008	Graham Fire District #21
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Graham Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Pierce County Fire District #8 Commissioners	
February 12, 2008	Pierce County Fire District #8
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Pierce County Fire #8, and a description of going forward from here through the adoption process.	

Hazard Mitigation Plan Presentation For Lakeview Light & Power Company Board	
February 13, 2008	Lakeview Light & Power
Where Planning Team members Richard Schroedel and Diane Schurr presented the history, the requirements, the complete draft plan sections for Lakeview Light & Power, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Steilacoom School District Board	
February 13, 2008	Steilacoom School District
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Steilacoom School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Mt View-Edgewood Water Company Board	
February 13, 2008	Mt View-Edgewood Water Company
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Mt. View-Edgewood Water, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Eatonville School District Board	
February 13, 2008	Eatonville School District
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Eatonville School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Fircrest Mayor and Council	
February 19, 2008	City of Fircrest
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for City of Fircrest, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Ohop Mutual Light Company Board	
February 19, 2008	Ohop Mutual Light Company
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Ohop Mutual Light, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Valley Water District Board	
February 19, 2008	Valley Water District
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Valley Water, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Lakewood Water District Board	
February 21, 2008	Lakewood Water District
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Lakewood Water, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Clear Lake Water District Board	
February 21, 2008	Clear Lake Water District
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Clear Lake Water, and a description of going forward from here through the adoption process.	

Hazard Mitigation Plan Presentation For Dieringer School District Board	
February 25, 2008	Dieringer School District
Where Planning Team member Judy Martinson presented the history, the requirements, the complete draft plan sections for Dieringer School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Gig Harbor Fire District #5 Commissioners	
February 25, 2008	Gig Harbor Fire District #5
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Gig Harbor Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Fife School District Board	
February 25, 2008	Fife School District
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Fife School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Town of Eatonville Mayor and Council	
February 25, 2008	Town of Eatonville
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Town of Eatonville, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Key Peninsula Fire District #16 Commissioners	
February 26, 2008	Key Peninsula Fire District #16
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Key Peninsula Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Summit Water and Supply Company Board	
February 26, 2008	Summit Water and Supply
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Summit Water and Supply, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of DuPont Mayor and Council	
February 26, 2008	City of DuPont
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for City of DuPont, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Fife Mayor and Council	
February 26, 2008	City of Fife
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for City of Fife, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Orting Mayor and Council	
February 27, 2008	City of Orting
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for City of Orting, and a description of going forward from here through the adoption process.	

Hazard Mitigation Plan Presentation For City of Milton Mayor and Council	
March 3, 2008	City of Milton
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for City of Milton, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Town of South Prairie Mayor and Council	
March 4, 2008	Town of South Prairie
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Town of South Prairie, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Buckley Mayor and Council	
March 5, 2008	City of Buckley
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for City of Buckley, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Peninsula School District Board	
March 6, 2008	Peninsula School District
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Peninsula School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Central Pierce Fire District #6 Commissioners	
March 10, 2008	Central Pierce Fire District #6
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Central Pierce Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For City of Lakewood Mayor and Council	
March 10, 2008	City of Lakewood
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for City of Lakewood, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For South Pierce Fire District #15 Commissioners	
March 10, 2008	South Pierce Fire District #15
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for South Pierce Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Lakewood Fire District #2 Commissioners	
March 10, 2008	Lakewood Fire District #2
Where Planning Team member Bruce Tinsley presented the history, the requirements, the complete draft plan sections for Lakewood Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Ashford/Elbe Fire District #23 Commissioners	
March 10, 2008	Ashford/Elbe Fire District #23
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Ashford/Elbe Fire, and a description of going forward from here through the adoption process.	

Hazard Mitigation Plan Presentation For Brown's Point Fire District #13 Commissioners	
March 11, 2008	Brown's Point Fire District #13
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Brown's Point Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For White River School District Board	
March 12, 2008	White River School District
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for White River School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Town of Wilkeson Mayor and Council	
March 12, 2008	Town of Wilkeson
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Town of Wilkeson, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Pacific Lutheran University Board	
March 14, 2008	Pacific Lutheran University
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Pacific Lutheran University, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Anderson Island Fire District #27	
March 17, 2008	Anderson Island Fire District #27
Where Planning Team member Richard Schroedel presented the history, the requirements, the complete draft plan sections for Anderson Island Fire, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Fruitland Mutual Water Company Board	
March 17, 2008	Fruitland Mutual Water Company
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Fruitland Water, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Franklin Pierce School District Board	
March 18, 2008	Franklin Pierce School District
Where Planning Team member Luke Meyers presented the history, the requirements, the complete draft plan sections for Franklin Pierce School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Orting School District Board	
March 20, 2008	Orting School District
Where Planning Team member Diane Schurr presented the history, the requirements, the complete draft plan sections for Orting School District, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Puyallup School District Board	
March 24, 2008	Puyallup School District
Where Planning Team member Gary Frentress presented the history, the requirements, the complete draft plan sections for the Puyallup School District, and a description of going forward from here through the adoption process.	

Hazard Mitigation Plan Presentation For City of Tacoma Mayor and Council	
March 25, 2008	City of Tacoma
Where Planning Team members Richard Schroedel and Diane Schurr presented the history, the requirements, the complete draft plan sections for the City of Tacoma, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Port of Tacoma Commissioners	
April 3, 2008	Port of Tacoma
Where Planning Team members Luke Meyers, Diane Schurr, and Andy Michels presented the history, requirements, the complete draft plan sections for Port of Tacoma, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For University Place Schools Board	
April 9, 2008	University Place Schools
Where Planning Team member Mike Patterson presented the history, the requirements, the complete draft plan sections for University Place Schools, and a description of going forward from here through the adoption process.	
Hazard Mitigation Plan Presentation For Tacoma Public School District Board	
April 24, 2008	Tacoma Public School District
Where Planning Team member Ken Wilson presented the history, the requirements, the complete draft plan sections for Tacoma Public Schools, and a description of going forward from here through the adoption process.	

Following these meetings, the Base Plan and 48 Addenda were submitted to the State EMD for review and were approved in July 2008. The Plan was then submitted to FEMA for review and was initially approved on September 29, 2008. Individual jurisdictions chief elected officials will then adopt their Addenda to this Plan. These adoptions can be found in Appendix A of their individual Addenda. The first 17 Addenda were received and officially approved by FEMA on November 24, 2008. This then becomes the official date for the completion of the Plan.

Jurisdiction Site Visits

Individual site visits and tours of jurisdictions have been beneficial to both the planners and the team. Each jurisdiction's infrastructure was assessed from the viewpoint of the hazards present in regard to county hazard maps. Assessments were done with respect to avalanche, drought, earthquake, wildland fire, flood, landslide, tsunami, volcano, and severe weather. Information was collected on prior events and photos taken of infrastructure for documentation.

A further step in this assessment was the overview of dependency upon outside services in order for the jurisdiction to perform their normal duties or provide normal service. Six of the primary Homeland Security Infrastructure Sectors were chosen to best represent this information. These were Emergency Services, Power, Sewer, Telecommunications, Transportation, and Water. (See Infrastructure Section of Plans – Section 6).

Table 1-11 Jurisdiction Site Visits

Hazard Mitigation Site Visit	
August 21, 2006-8:00 am	Eatonville School District
Where Planning Team members Luke Meyers, Diane Schurr, and Ben Pierson met with Dan Dawkins and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District’s infrastructure, an identification of the District’s critical infrastructure, and an identification of the hazardous areas within the District’s boundaries.	
Hazard Mitigation Site Visit	
August 22,2006-9:30 am	Carbonado School District
Where Planning Team members Luke Meyers and Diane Schurr met with Scott Hubbard and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District’s infrastructure, an identification of the District’s critical infrastructure, and an identification of the hazardous areas within the District’s boundaries.	
Hazard Mitigation Site Visit	
August 22, 2006-2:00 pm	Orting Fire District #18
Where Planning Team members Luke Meyers and Diane Schurr met with Randy Shelton and discussed the natural hazards that could affect the Fire District. The meeting included a driving tour of the District’s infrastructure, an identification of the District’s critical infrastructure, and an identification of the hazardous areas within the District’s boundaries.	
Hazard Mitigation Site Visit	
August 23, 2006-9:00 am	City of Fife
Where Planning Team members Diane Schurr and Benjamin Pierson met with Kevin Farris and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City’s infrastructure, an identification of the City’s critical infrastructure and an identification of the City’s hazardous areas.	
Hazard Mitigation Site Visit	
August 23, 2006-1:00 pm	Gig Harbor Fire & Medic One (PCFD #5)
Where Planning Team members Luke Meyers and Diane Schurr met with Penny Hulse and discussed the natural hazards that could affect the Fire District. The meeting included a driving tour of the District’s infrastructure, an identification of the District’s critical infrastructure, and an identification of the hazardous areas within the District’s boundaries.	
Hazard Mitigation Site Visit	
August 24, 2006-9:00 am	City of Milton
Where Planning Team members Diane Schurr and Luke Meyers met with Jim Jacques and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City’s infrastructure, an identification of the City’s critical infrastructure, and an identification of the City’s hazardous areas.	
Hazard Mitigation Site Visit	
August 25, 2006-9:00 am	City of Orting
Where Planning Team members Luke Meyers and Ben Pierson met with Ron Emmons and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City’s infrastructure, an identification of the City’s critical infrastructure, and an identification of the City’s hazardous areas.	

Hazard Mitigation Site Visit	
August 25, 2006-1:00 pm	Orting School District
Where Planning Team members Luke Meyers and Benjamin Pierson met with Rex Kerbs and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
August 28, 2006-9:00 am	City of Buckley
Where Planning Team members Luke Meyers and Diane Schurr met with Alan Predmore and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City's infrastructure, an identification of the City's critical infrastructure, and an identification of the City's hazardous areas.	
Hazard Mitigation Site Visit	
August 28, 2006-1:00 pm	Browns Point Fire District #13
Where Planning Team member Benjamin Pierson met with Gary McVey and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
August 29, 2006-9:00 am	Summit Water and Supply Company
Where Planning Team members Luke Meyers and Diane Schurr met with David Troupe and discussed the natural hazards that could affect the Water Company. The meeting included a driving tour of the Company's infrastructure, an identification of the Company's critical infrastructure, and an identification of the hazardous areas within the Company's distribution system.	
Hazard Mitigation Site Visit	
August 29, 2006-1:00 pm	Fruitland Mutual Water Company
Where Planning Team member Luke Meyers met with Roger Nottage and discussed the natural hazards that could affect the Water Company. The meeting included a driving tour of the Company's infrastructure, an identification of the Company's critical infrastructure, and an identification of the hazardous areas within the Company's distribution system.	
Hazard Mitigation Site Visit	
August 29, 2006-2:00 pm	American Red Cross Mt. Rainier Chapter
Where Planning Team member Ben Pierson met with Alicia Jensen and discussed the natural hazards that could affect the Pierce County portion of the Chapter's three county area. The meeting included a driving tour of the Chapter's infrastructure, an identification of the Chapter's critical infrastructure, and an identification of the hazard areas within the Chapter's Pierce County boundaries.	
Hazard Mitigation Site Visit	
August 30, 2006-10:00 am	Anderson Island Fire District #27
Where Planning Team members Diane Schurr and Benjamin Pierson met with Anthony Tognazzini and David Galentine and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	

Hazard Mitigation Site Visit	
August 31, 2006-8:30 am	Key Peninsula Fire District #16
Where Planning Team members Luke Meyers and Diane Schurr met with Chuck West and Rick Stoudt and discussed the natural hazards in the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 1, 2006-10:00 am	Town of Wilkeson
Where Planning Team member Luke Meyers met with Janet Kepka and discussed the natural hazards that could affect the Town. The meeting included a driving tour of the Town's infrastructure, an identification of the Town's critical infrastructure, and an identification of the Town's hazardous areas.	
Hazard Mitigation Site Visit	
September 5, 2006-9:00 am	Graham Fire District #21
Where Planning Team member Luke Meyers met with Verne Pierson and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 5, 2006-1:00 pm	Graham Hill Mutual Water Company
Where Planning Team member Luke Meyers met with Roger Nottage and discussed the natural hazards that could affect the Water Company. The meeting included a driving tour of the Company's infrastructure, an identification of the Company's critical infrastructure, and an identification of the hazard areas within the Company's distribution system.	
Hazard Mitigation Site Visit	
September 5, 2006-3:00 pm	Clear Lake Water District
Where Planning Team member Luke Meyers met with Tom Folk and Bruce Muzzey and discussed the natural hazards that could affect the Water District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazard areas within the District's distribution system.	
Hazard Mitigation Site Visit	
September 6, 2006-9:00 am	Lakewood Water District
Where Planning Team member Diane Schurr met with Dave Hall and discussed the natural hazards that could affect the Water District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's distribution system.	
Hazard Mitigation Site Visit	
September 6, 2006-9:00 am	City of Gig Harbor
Where Planning Team member Luke Meyers met with Dick Bowers and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City's infrastructure, an identification of the City's critical infrastructure, and an identification of the City's hazardous areas.	

Hazard Mitigation Site Visit	
September 6, 2006-1:00 pm	Lakeview Light and Power Company
Where Planning Team member Diane Schurr met with Mark Hadman and discussed the natural hazards that could affect the Power Company. The meeting included a driving tour of the Company's infrastructure, an identification of the Company's critical infrastructure, and an identification of the hazard areas within the company's distribution system.	
Hazard Mitigation Site Visit	
September 7, 2006-8:30 am	Port of Tacoma
Where Planning Team members Luke Meyers and Diane Schurr met with Andy Michels and discussed the natural hazards that could affect the Port District. The meeting included a driving tour of the Port's infrastructure, an identification of the Port's critical infrastructure, and an identification of the hazardous areas located on Port property.	
Hazard Mitigation Site Visit	
September 8, 2006-1:00 pm	Pacific Lutheran University
Where Planning Team member Luke Meyers met with Jennifer Wamboldt and discussed the natural hazards that could affect the University District. The meeting included a driving tour of the University's infrastructure, an identification of the University's critical infrastructure, and an identification of the hazardous areas located on University property.	
Hazard Mitigation Site Visit	
September 11, 2006-9:00 am	City of Lakewood
Where Planning Team member Benjamin Pierson met with Dave Hall and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City's infrastructure, an identification of the City's critical infrastructure, and an identification of the City's hazardous areas.	
Hazard Mitigation Site Visit	
September 11, 2006-1:00 pm	Ashford-Elbe Fire District #23
Where Planning Team member Luke Meyers met with Garry Olson and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazard areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 12, 2006-9:00 am	City of Edgewood
Where Planning Team members Luke Meyers and Diane Schurr met with Roger Toles and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City's infrastructure, an identification of the City's critical infrastructure, and an identification of the City's hazardous areas.	
Hazard Mitigation Site Visit	
September 12, 2006-1:00 pm	Edgewood Fire District #8
Where Planning Team members Luke Meyers and Diane Schurr met with Ed Goodlet and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	

Hazard Mitigation Site Visit	
September 13, 2006-8:00 am	Puyallup School District
Where Planning Team member Luke Meyers met with Gary Frentress and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 13, 2006-9:00 am	Town of Eatonville
Where Planning Team member Diane Schurr met with Gaille Findley and Tim Lincoln and discussed the natural hazards that could affect the Town. The meeting included a driving tour of the Town's infrastructure, an identification of the Town's critical infrastructure, and an identification of the hazardous areas within the Town's boundaries.	
Hazard Mitigation Site Visit	
September 14, 2006-8:00 am	Fife School District
Where Planning Team member Luke Meyers met with Jeff Short and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 14, 2006-9:00 am	South Pierce Fire District #15
Where Planning Team member Diane Schurr met with Larry Spohn and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 15, 2006-9:00 am	Lakewood Fire District #2
Where Planning Team member Diane Schurr met with Bruce Tinsley and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 15, 2006-9:30 am	Peninsula School District
Where Planning Team member Benjamin Pierson met with Caroline Anholdt and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 18, 2006-8:00 am	University Place School District
Where Planning Team member Diane Schurr met with Mike Patterson and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of hazardous areas within the District's boundaries.	

Hazard Mitigation Site Visit	
September 18, 2006-1:00 pm	Franklin Pierce School District
Where Planning Team member Luke Meyers met with Frank Hewins and Ted Kilcup and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 19, 2006-9:00 am	City of Fircrest
Where Planning Team member Luke Meyers met with Mark Burlingham and Rick Rosenblatt and discussed the natural hazards that could affect the City. The meeting included a driving tour of the City's infrastructure, an identification of the City's critical infrastructure, and an identification of the City's hazardous areas.	
Hazard Mitigation Site Visit	
September 19, 2006-1:00 pm	Town of South Prairie
Where Planning Team member Diane Schurr met with Peggy Levesque and Marla Nevill and discussed the natural hazards that could affect the Town. The meeting included a driving tour of the Town's infrastructure, an identification of the Town's critical infrastructure, and an identification of the Town's hazardous areas.	
Hazard Mitigation Site Visit	
September 20, 2006-9:00 am	Central Pierce Fire District #6
Where Planning Team members Luke Meyers and Diane Schurr met with Chief Thomas and discussed the natural hazards that could affect the District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries..	
Hazard Mitigation Site Visit	
September 21, 2006-10:00 am	White River School District
Where Planning Team member Benjamin Pierson met with Susan Leland and Roger Marlow and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 21, 2006-10:00 am	City of Tacoma
Where Planning Team members Luke Meyers and Diane Schurr met with Patti McQuillan, Kevin O'Donnell and Charlie Solverson and discussed the natural hazards that could affect the City Fire Department as well as some of the Public Works infrastructure. The meeting included a discussion of the City's infrastructure, an identification of the City's critical infrastructure, and an identification of the City's hazardous areas. There will be other, separate meetings to cover other specific areas of the City.	
Hazard Mitigation Site Visit	
September 22, 2006-8:00 am	Steilacoom Historical School District
Where Planning Team member Benjamin Pierson met with John Cohen and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	

Hazard Mitigation Site Visit	
September 25, 2006-8:00 am	Tacoma School District
Where Planning Team member Diane Schurr met with Ken Wilson and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 26, 2006-9:00 am	City of Tacoma – Tacoma Power
Where Planning Team member Diane Schurr met with Rick Herrmann and discussed the natural hazards that could affect the City as relates to the Power systems. The meeting included a discussion of the Tacoma Power's infrastructure, an identification of the Tacoma Power's critical infrastructure, and an identification of the hazardous areas within Tacoma Power's infrastructure and distribution area.	
Hazard Mitigation Site Visit	
September 26, 2006-9:30 am	Dieringer School District
Where Planning Team member Benjamin Pierson met with Judy Martinson and discussed the natural hazards that could affect the School District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of hazardous areas within the District's boundaries.	
Hazard Mitigation Site Visit	
September 26, 2006-1:00 pm	Ohop Mutual Light Company
Where Planning Team member Diane Schurr met with Ken Klotz and discussed the natural hazards that could affect the Power Company. The meeting included a driving tour of the Company's infrastructure, an identification of the Company's critical infrastructure, and an identification of the hazard areas within the Company's distribution system.	
Hazard Mitigation Site Visit	
September 27, 2006-8:00 am	Valley Water District
Where Planning Team member Benjamin Pierson met with Betty Vance and discussed the natural hazards that could affect the Water District. The meeting included a driving tour of the District's infrastructure, an identification of the District's critical infrastructure, and an identification of the hazard areas within the District's distribution area.	
Hazard Mitigation Site Visit	
September 27, 2006-1:00 pm	City of Tacoma – Tacoma Water
Where Planning Team member Diane Schurr met with Dave Sherman and discussed the natural hazards that could affect the City as relates to the Water systems. The meeting included a discussion of the Tacoma Water's infrastructure, an identification of the Tacoma Water's critical infrastructure, and an identification of the hazard areas within Tacoma Water's distribution area.	
Hazard Mitigation Site Visit	
September 27, 2006-1:30 pm	Mt. View-Edgewood Water Company
Where Planning Team member Luke Meyers met with Marc Marcantonio and discussed the natural hazards that could affect the Water Company. The meeting included a driving tour of the Company's infrastructure, an identification of the Company's critical infrastructure, and an identification of the hazard areas within the Company's distribution system.	

Hazard Mitigation Site Visit	
September 29, 2006-9:00 am	City of Tacoma – Tacoma Police Department
Where Planning Team member Diane Schurr met with Lt. Mark Feddersen and discussed the natural hazards that could affect the City as relates to the Police Department. The meeting included a discussion of the Police Department’s infrastructure, an identification of the Police Department’s critical infrastructure, and a further discussion of the City’s hazardous areas that could impact the operations of the Police Department’s.	

Public Comment

Pierce County Department of Emergency Management (PC DEM) coordinated the Plan process that involved 48 jurisdictions. This design allowed for a greater level of inter-jurisdictional coordination and involvement. The Planning Team used the Pierce County Hazard Mitigation Forum distribution list to notify other jurisdictions about the Plan status and updates.

The Planning Team provided many opportunities for public comment throughout the ongoing and open process. Beginning in February 2006, the Planning Team published information about the process on the Plan’s PC DEM Webpage³ where it notified the public of the process, the progress, and any changes or upcoming meetings. The Planning Team also published information on the Plan process by way of links to jurisdiction websites where available.

The Planning Team held informational meetings to provide a further opportunity for intra-jurisdictional public involvement and to solidify the support of each jurisdiction. Representatives from each jurisdiction and from PC DEM presented the Natural Hazard Mitigation Plan Requirements, the Plan process, the Plan benefits, and the various jurisdictions’ area plan status.

The Planning Team also held eight public comment meetings in January of 2007 and additionally in December of 2007 in order to provide an opportunity for residents, local businesses, neighboring jurisdictions, and all other interested parties to comment on the draft Plan. Because of the natural geographical division of the planning area (valley and plateau) and the fact that the jurisdictions cover the entire county, eight meetings were held in order to provide a greater opportunity for the public to comment, over a wide area, on the Plan. These meetings are documented below in Table 1-13 and Table 1-14.

The meetings were advertised in most local newspapers and many jurisdictions posted notices on their respective websites where available.

Early in 2007, preliminary documentation was added to the planning website for each jurisdiction to include draft profile information, base maps of the jurisdiction, hazard maps for the jurisdiction, and preliminary risk assessment.

In June, 2007, the individual jurisdiction Capability Identification sections were introduced to the website for each jurisdiction and for the public view.

By the end of 2007, the Risk Assessment sections, the Mitigation Strategy sections and the Plan Maintenance sections for each jurisdiction were posted on the mitigation webpage.

See Table 1-12 for a summary of documentation of the Public Involvement.

Table 1-12 Public Involvement

Region 5 Hazard Mitigation Plan Webpage Information	
February 2006	Hosted by PC DEM
Debuted webpage about PC DEM coordinating the development of a Hazard Mitigation Plan for 48 jurisdictions. www.co.pierce.wa.us/mitigation	
Region 5 Hazard Mitigation Plan Webpage Information for Lakewood Fire District #2	
April 13, 2006	Hosted by Lakewood Fire District (PCFD #2)
Lakewood Fire District published webpage on their website www.lakewoodfire.org/ about being involved in the development of a Hazard Mitigation Plan.	
Region 5 Hazard Mitigation Plan Webpage Information for City of Edgewood	
April 27, 2006	Hosted by City of Edgewood
City of Edgewood published webpage on their website www.ci.edgewood.wa.us/ about being involved in the development of a Hazard Mitigation Plan.	
Region 5 Hazard Mitigation Plan Newsletter Information for City of Gig Harbor	
April, 2006	City of Gig Harbor
City of Gig Harbor published information about the Hazard Mitigation Planning project in their local newsletter that is distributed to citizens for April 2006.	
Region 5 Hazard Mitigation Plan Newspaper Information for City of Orting	
April 19, 2006	City of Orting "Gazette"
City of Orting published the Region 5 Hazard Mitigation information in the Gazette for their April 19 edition.	
Region 5 Hazard Mitigation Plan Newsletter Information for Gig Harbor Fire District	
May 2006	Gig Harbor Fire & Medic One Newsletter
The Gig Harbor Fire District posted an article in their May 2006 Newsletter about their participation in the Region 5 Hazard Mitigation planning effort. The Newsletter "On Scene" is distributed throughout the Harbor and the Peninsula.	
Region 5 Hazard Mitigation Plan Webpage Information for Valley Water District	
May 30, 2006	Hosted by Valley Water District
Valley Water District published the Region 5 Hazard Mitigation information on their website www.valleywaterdistrict.com posted May 30.	
Region 5 Hazard Mitigation Plan Newsletter Information	
Summer 2006	City of Gig Harbor "In The Works"
City of Gig Harbor published the Region 5 Hazard Mitigation information in their newsletter "In The Works" for their Summer 2006 edition.	
Region 5 Hazard Mitigation Plan Public Event Information for City of Buckley	
June 8, 2006	City of Buckley Public Safety & Emergency Mgmt.
City of Buckley published the Region 5 Hazard Mitigation information as a handout for their Public Safety and Emergency Management Open House on June 8, 2006.	

Region 5 Hazard Mitigation Plan Webpage Information	
June 23, 2006	Hosted by PC DEM
Published update to webpage about PC DEM coordinating the development of a Hazard Mitigation Plan for 48 jurisdictions. www.co.pierce.wa.us/mitigation	
Region 5 Hazard Mitigation Plan Newsletter Information for City of Fircrest	
July 2006	City of Fircrest "Town Topics"
City of Fircrest published the Region 5 Hazard Mitigation information in the "Town Topics" for July, 2006.	
Region 5 Hazard Mitigation Plan Webpage Information	
September, 2006	Hosted by PC DEM
Published update to webpage about PC DEM coordinating the development of Hazard Mitigation Plans for now 48 jurisdictions. Also published current information on the status of the project so far. www.co.pierce.wa.us/mitigation	
Area School Board Informational Meeting at DEM	
October 11, 2006	Hosted at DEM Classroom
A meeting was hosted by DEM for the local school representatives and the Region 5 Hazard Mitigation Plan was presented to them by Luke Meyers and Benjamin Pierson. Some of the attendees are actually on the Mitigation Planning Team for the Schools Group and some were not. A brief history of the project and a status report was given.	
Emergency Response Planning Committee for City of Lakewood	
October 19, 2006	Lakewood Police Department
Diane Schurr made a presentation to the regular scheduled meeting of the Emergency Response Planning Committee for Lakewood at the invitation of Police Chief Larry Saunders. An overview of the project was explained as well as the requirements and an update of the current status of the project.	
Region 5 Hazard Mitigation Plan Webpage Information	
January 2007	Hosted by PC DEM
Published major updates to the website to include the following documents for all 48 jurisdictions: Draft Profile, Draft Risk Assessment, Base Map, Earthquake Hazard Map, Landslide Hazard Map, Volcano Hazard Map, and Flood Hazard Map. www.co.pierce.wa.us/mitigation	
Region 5 Hazard Mitigation Plan Public Information Meeting – Central Region	
January 4, 2007	Hosted by Summit Water and Supply Company
Published announcement on their website regarding the Public Information Meeting to be held in Graham on January 16, 2007. www.summitwater.org	
Region 5 Hazard Mitigation Plan Public Information Meeting – Tacoma Region	
January 11, 2007	Fife Free Press Newspaper Advertisement
Kevin Farris of the Fife Police Department published an ad in the Fife Free Press regarding the Public Information Meeting being held at the Fife High School.	
Region 5 Hazard Mitigation Plan Public Information Meeting – Central Region	
January 29, 2007	Pacific Lutheran University Emergency Planning Team
An announcement was sent to the campus emergency planning committee regarding the upcoming Public Information Meeting to be held at the Graham Fire Station for the Central Region.	

Region 5 Hazard Mitigation Plan Public Information Meeting – Central Region	
January 29, 2007	Hosted by Puyallup School District
Gary Frentress of the Puyallup School District posted information regarding the Public Information Meeting for the Central Region on the school website during January. www.puyallup.k12.wa.us	
Region 5 Hazard Mitigation Plan Public Information Meeting – Southwest Region	
January 29, 2007	Hosted by Lakewood Water District
Dave Hall of Lakewood Water District posted information regarding the Public Information Meeting for the Southwest Region on the Water District’s website during January. www.lakewood-water-dist.org	
Region 5 Hazard Mitigation Plan Public Information Meeting – North Region	
January 30, 2007	Hosted by Edgewood Fire District #8
Ed Goodlet of Edgewood Fire District posted information regarding the Public Information Meeting for the North Region on the Fire District’s website during January. www.edgewoodfire.org	
Region 5 Hazard Mitigation Plan Public Information Meeting – Southwest Region	
January 31, 2007	Hosted by Lakewood Fire District #2
Bruce Tinsley of Lakewood Fire District posted information regarding the Public Information Meeting for the Southwest Region on the Fire District’s website during January. www.lakewoodfire.org	
Greater Tacoma Home and Garden Show	
January 31-February 4, 2007	Tacoma Dome
Luke Meyers, Richard Schroedel, and Diane Schurr attended the Tacoma Home and Garden show in two hour increments in conjunction with Lowe’s. Information was handed out on the Mitigation Planning process and discussion on mitigation planning in general with the public occurred.	
Region 5 Hazard Mitigation Plan Website Link	
Early February, 2007	Hosted by City of Tacoma
The City of Tacoma Mitigation Planning Team members created a link from their website at www.cityoftacoma.org to the county Mitigation Plan website.	
Region 5 Hazard Mitigation Plan Newspaper Article	
February 15, 2007	Fife Free Press/Milton-Edgewood Signal
Luke Meyers was interviewed regarding the Region 5 Hazard Mitigation process and progress by Natasha Jaksich of the Fife Free Press. He described why and how we are accomplishing the goals set forth in the beginning of the project.	
Region 5 Hazard Mitigation Plan – Kiwanis Club Presentation	
March 15, 2007	City of Buckley Presentation
Alan Predmore, Fire Chief for Buckley and Mitigation Plan Lead for City of Buckley, spoke to the local Kiwanis Club about Emergency Management and Preparedness. Chief Predmore provided the group with handouts regarding the Hazard Mitigation Planning Process and encouraged those in attendance (23) to view the County Website and the Buckley Website for more detailed information. Buckley has a link to the County Website.	

Region 5 Hazard Mitigation Plan – DuPont Prepares	
April 2007	City of DuPont Emergency Preparedness Newsletter
The City of DuPont has initiated an Emergency Preparedness Newsletter for its citizens and this is the first edition. A very comprehensive collection of articles for different ages and lifestyles.	
Region 5 Hazard Mitigation Plan – Website Update	
June 2007	Hosted by PC DEM
During the month of June the draft Capability sections were added to the individual jurisdiction web pages for public viewing. www.co.pierce.wa.us/mitigation	
Region 5 Hazard Mitigation Plan – Graham Business Association Presentation	
July 18, 2007	Graham Fire & Rescue Presentation
On July 18 the Graham Fire Department gave a presentation to the Graham Business Association regarding local hazards and preparedness information specific to local business. The program was presented with reference to the Region 5 Hazard Mitigation Plan and presenters were members of the Planning Team; Fire Group.	
Region 5 Hazard Mitigation Plan – South Pierce Fire District #15 Commissioners	
August 13, 2007	South Pierce Fire Station #1
On August 13, Planning Team member Diane Schurr did a 15 minute presentation to the South Pierce Fire District #15 Commissioners regarding status of the Hazard Mitigation Planning Process and Mitigation Objectives and Measures for the fire district.	
Region 5 Hazard Mitigation Plan – Maritime Fest, Tacoma, Washington	
September 16, 2007	Region 5 Hazard Mitigation Planning Team
Members Luke Meyers and Diane Schurr along with others from the Pierce County DEM office, the Planning and Land Services Department and the City of Tacoma manned a booth at the Port of Tacoma sponsored Maritime Fest on the Thea Foss Waterway where they displayed information regarding home retrofit programs and other hazard mitigation information in conjunction with Lowes Home Improvement and King County Office of Emergency Management.	
Region 5 Hazard Mitigation Plan – City of DuPont News from City Hall	
August-September, 2007	Emergency Management Article in City Newsletter
The City of DuPont included an Emergency Management article in its August-September City Hall Newsletter. The article spoke about planning efforts, effective communications with citizens and about Washington State Disaster Preparedness month in September.	
Region 5 Hazard Mitigation Plan – City of Fircrest	
November, 2007	Town Topics Newsletter
The City of Fircrest, in their Town Topics Newsletter, had a nice one page article about emergency preparedness going into the winter season. The article gave information on preparing a family emergency kit and steps to take around the home for safety.	
Region 5 Hazard Mitigation Plan – Summit Water and Supply Company	
February, 2008	Hosted by Summit Water Company
Summit Water and Supply Company placed a link on their website direct to the Utility Group page of the Pierce County Department of Emergency Management/Mitigation website. www.summitwater.org	

Region 5 Hazard Mitigation Plan – Peninsula School District	
March 26, 2008	Newspaper Article in Peninsula Gateway
The Peninsula School District, in an article regarding policy changes, gave credit to their participation in the Region 5 Hazard Mitigation Plan development and also mentioned the pre-adoption review with Pierce County Emergency Management and the School Board of Directors.	

Public Information Meetings, January 2007

Table 1-13 Public Information Meetings

Region 5 Hazard Mitigation Public Information Meeting – Southeast Planning Area	
January 8, 2007	Hosted by Eatonville School District (Middle School)
Jurisdictions: Town of Eatonville, Eatonville School District, Ohop Light and Power, Clear Lake Water, Ashford/Elbe Fire #23, South Pierce Fire #15	
A Public Information Meeting was hosted in Eatonville for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – East Planning Area	
January 9, 2007	Hosted by City of Orting
Jurisdictions: City of Orting, Valley Water, Orting School District, Orting Fire #18	
A Public Information Meeting was hosted in Orting for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Tacoma Planning Area	
January 17, 2007	Hosted by City of Tacoma, Fire Department
Jurisdictions: City of Fircrest, City of Tacoma, Port of Tacoma, Tacoma School District, Browns Point Fire #13, American Red Cross	
A Public Information Meeting was hosted in Tacoma for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Northeast Planning Area	
January 18, 2007	Hosted by City of Buckley
Jurisdictions: Dieringer Schools, Carbonado Schools, City of Buckley, Town of South Prairie, Town of Wilkeson, White River Schools	
A Public Information Meeting was hosted in Buckley for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	

Region 5 Hazard Mitigation Public Information Meeting – Southwest Planning Area	
January 22, 2007	Hosted by Steilacoom Historical School District
Jurisdictions: City of DuPont, City of Lakewood, Lakeview Light and Power, Lakewood Water, Steilacoom Historical School District, University Place School District, Anderson Island Fire #27, Lakewood Fire #2	
A Public Information Meeting was hosted in Steilacoom School Theatre for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Northwest Planning Area (Peninsula)	
January 24, 2007	Hosted by Gig Harbor Fire & Medic One
Jurisdictions: City of Gig Harbor, Peninsula School District, Gig Harbor Fire #5, Key Peninsula Fire #16	
A Public Information Meeting was hosted in Gig Harbor for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Central Planning Area	
January 25, 2007	Hosted by Graham Fire & Rescue #21
Jurisdictions: Summit Water, Fruitland Water, Graham Hill Mutual Water, Franklin Pierce School District, Puyallup School District, Pacific Lutheran University, Central Pierce Fire #6, Graham Fire #21	
A Public Information Meeting was hosted in Graham for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – North Planning Area	
January 31, 2007	Hosted by Fife School District
Jurisdictions: City of Edgewood, City of Fife, City of Milton, Mt. View/Edgewood Water, Fife School District, Edgewood Fire #8	
A Public Information Meeting was hosted in Fife for the above jurisdiction populations. The planning process was explained as well as a progress report given for current planning. Included in the discussion were the Process Section, the Profile Section, and the Risk Assessment for the jurisdictions. The website was highlighted for the attendees.	

Public Information Meetings, December 2007

Table 1-14 Public Information Meetings

Region 5 Hazard Mitigation Public Information Meeting – Northeast Planning Area	
December 3, 2007	Hosted by City of Buckley
Jurisdictions: Dieringer Schools, Carbonado Schools, City of Buckley, Town of South Prairie, Town of Wilkeson, White River Schools	
A Public Information Meeting was hosted in Buckley for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – North Planning Area	
December 4, 2007	Hosted by Fife School District
Jurisdictions: City of Edgewood, City of Fife, City of Milton, Mt. View/Edgewood Water, Fife School District, Edgewood Fire #8	
A Public Information Meeting was hosted at Surprise Lake Middle School for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Central Planning Area	
December 5, 2007	Hosted by Pierce County Emergency Management
Jurisdictions: Summit Water, Fruitland Water, Graham Hill Mutual Water, Franklin Pierce School District, Puyallup School District, Pacific Lutheran University, Central Pierce Fire #6, Graham Fire #21	
A Public Information Meeting was hosted at Pierce County Library Administration for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – East Planning Area	
December 6, 2007	Hosted by City of Orting
Jurisdictions: City of Orting, Valley Water, Orting School District, Orting Fire #18	
A Public Information Meeting was hosted at City of Orting for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	

Region 5 Hazard Mitigation Public Information Meeting – Tacoma Planning Area	
December 10, 2007	Hosted by City of Tacoma, Police
Jurisdictions: City of Fircrest, City of Tacoma, Port of Tacoma, Tacoma School District, Browns Point Fire #13, American Red Cross	
A Public Information Meeting was hosted at City of Tacoma Police Department for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Southeast Planning Area	
December 11, 2007	Hosted by Eatonville School District
Jurisdictions: Town of Eatonville, Eatonville School District, Ohop Light and Power, Clear Lake Water, Ashford/Elbe Fire #23, South Pierce Fire #15	
A Public Information Meeting was hosted at Eatonville Middle School for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Southwest Planning Area	
December 12, 2007	Hosted by Lakewood Fire District #2
Jurisdictions: City of DuPont, City of Lakewood, Lakeview Light and Power, Lakewood Water, Steilacoom Historical School District, University Place School District, Anderson Island Fire #27, Lakewood Fire #2	
A Public Information Meeting was hosted at Lakewood Fire for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	
Region 5 Hazard Mitigation Public Information Meeting – Northeast Planning Area	
December 13, 2007	Hosted by Gig Harbor Fire District #5
Jurisdictions: City of Gig Harbor, Peninsula School District, Gig Harbor Fire #5, Key Peninsula Fire #16	
A Public Information Meeting was hosted at Gig Harbor Fire for the above jurisdiction populations. A brief overview of the history and requirements was given as well as a progress report and current status of the plans. The primary focus of these meetings was the completed Mitigation Strategy sections which are the blueprints for action for each jurisdiction. The website was highlighted for the attendees.	

Profile Process

The Profile Section of the base plan covers Region 5. Since Region 5 is synonymous with Pierce County, the Profile Section utilizes Pierce County data to paint a portrait in narrative form of the Region. Compiling information from many sources the Profile section covers the Region's demographics, geography, geology, climate, land use, transportation, and economy. Since each jurisdiction covered in the plan is part of the overall Region and since many of the hazards affect every jurisdiction it is necessary to understand their relationship to each other across the Region.

Within each individual jurisdiction's plan the Profile Section paints a comprehensive picture of the jurisdiction through a series of tables, a base map, and the jurisdiction's Mission and/or Vision Statement. Information came from documents, information provided by the jurisdiction, collaboration with other agencies, and internet research as appropriate. Each jurisdiction supplied their Mission and/or Vision Statement, a list of the services they provide, an infrastructure summary, and some budgetary information. Other information was brought forth from existing County documentation.

Services Summary

In regards to the services provided the cities, towns, and fire districts were given a survey to fill out regarding their particular jurisdiction. For the School Group, a statement was compiled using base information from the Washington Office of the Superintendent for Public Instruction (OSPI). This information was put into narrative format and each of the school districts in the Planning Group agreed that it was an appropriate picture of the services they provide. This statement was then reproduced in the school group's profiles.

A statement was compiled by like purveyors such as Water Districts, Water Companies, and Power and Light Companies. The Planning Team created a draft and worked until all agreed with the final product. Because some of the utilities are private, non-profit, and some are utility districts, the services statements can vary somewhat but each jurisdiction arrived at a services statement.

The American Red Cross developed a statement about their services that was compiled primarily from their own documentation. Pacific Lutheran University developed a comprehensive services statement speaking to their curriculum. And the Port of Tacoma used their media relations people to draft an appropriate statement regarding their various services.

Geo-Political Summary

The Geo-Political Summary information was derived from the Pierce County GIS application, CountyView Pro (7/06 and 4/08). The Base Map that follows is also a product of CountyView Pro (7/06 and 4/08). Updated information on individual jurisdiction's boundaries was incorporated to create the current maps.

Population Summary

Data from the 2000 census was used for the demographics and from the 2002 County Buildable Lands Report for the 2017 projections.. The Special Populations numbers were derived from the Pierce County GIS application, CountyView Pro (4/08) using geoprocessing. In most cases, the current population numbers are greatly increased since it has been eight years since the last census. In some cases jurisdictions chose to give us their specific current population information and this information was used where provided and specifically identified with an endnote. Where population numbers were provided by the jurisdiction, it should be noted those numbers will not appear further on in the document in the Risk Assessment section as the information in that section is used to derive other information via geoprocessing on population and parcels.

Demographic information for Fire and Utility Groups was obtained through the Pierce County GIS application, CountyView Pro (4/08) using a geoprocessing derivative. Through a process of special analysis using parcels within the jurisdiction and calculating the information from those parcels, we were able to obtain base information for each jurisdiction. This includes Special Populations information.

In the case of the School Group, the OSPI website provided very specific information as to the populations in any given school district in the County. This includes information on Special Populations (Table 2-4) specific to each school district. This includes students on special meal programs, special education students, bilingual students, and migrant students.

As for other Special Populations (Table 2-5), in the case of School Districts, the numbers are derived from tax parcels whose centers are within selected jurisdictions in the planning process. Using specific geoprocessing, it was possible to determine these figures. All data are as of the Census 2000 for Pierce County unless provided by the specific School District in which case it is noted in the endnotes.

For the purposes of this planning effort, the American Red Cross shows the same figures as the entire County because they serve all of Pierce County.

Pacific Lutheran University and the Port of Tacoma information was obtained through the Pierce County GIS application, CountyView Pro (4/08) using a geoprocessing derivative. This was also the case for Special Populations.

Infrastructure Summary

General

The number of parcels and value in each case was derived from the Pierce County GIS application CountyView Pro (4/08). In the case of Cities and Towns it is directly from the mapping process. In the case of the other jurisdictions, the information is derived from mapping the tax parcels whose centers are within selected jurisdictions

The Housing Summary is exactly the same and it should be noted there is more specific housing information available for the Cities and Towns. In the case of Cities and Towns, the housing information is from Census 2000, Washington State Office of Financial Management (OFM). For all other jurisdictions, the information is derived from mapping the tax parcels whose centers are within selected jurisdictions and using geoprocessing to calculate housing numbers.

Jurisdiction Infrastructure⁴

A small table of owned infrastructure for each jurisdiction is derived from the very comprehensive infrastructure survey and site visits that were completed for each jurisdiction. Because of the sensitive nature of this information, only the total number of infrastructure identified is shown, basic categories of those structures, and total value as provided by the individual jurisdiction. These categories are based on the Department of Homeland Security Infrastructure Sectors.

Land Use Maps

Because of the Land Use authority for Cities and Towns, these maps have been included in those profiles only. This information is not available for the other jurisdictions and was provided by the individual Cities and Towns for use in this project.

Economic Summary

The Fiscal Summary information was provided by the jurisdiction where available. This is the same among each of the groups.

In addition, an Employment Profile and Unemployment table are provided for Cities and Towns only and the information is derived from the Census 2000, OFM. This information is not available for other types of jurisdictions.

Capability Identification Process

The Disaster Mitigation Act 2000 requires a “review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.” For the purposes of this Plan, these elements are referred to as capabilities and their “review and incorporation” as a capability identification. The capability identification provides a scope for what mitigation measures can and cannot be implemented and identifies specific capabilities that each jurisdiction has which may help in the implementation of mitigation measures. Further it identifies those actions already undertaken that mitigate hazards, whether labeled as such or not. The identification therefore canvases all aspects of each jurisdiction’s governance that relate both directly and indirectly to mitigation activities.

The ability of a jurisdiction to develop an effective hazard mitigation plan depends upon its capability to implement policy and programs. The FEMA 386-3⁵ publication describes a capability assessment and outlines the types of capabilities that should be considered:

- Legal and Regulatory
- Administrative and Technical
- Fiscal

In the development of this Plan the categories were broken out. Forms were developed and passed out to the local jurisdictions with five categories of capabilities identified. Some of the material on the lists was taken from previous mitigation plans and others from studies conducted by the Municipal Research and Services Center of Washington and other resources as noted. These were:

- Legal and Regulatory Capabilities
- Administrative Capabilities
- Technical Capabilities
- Fiscal Capabilities
- Specific Capabilities

Since the lists are specifically targeted at local capabilities the planning team amassed information on federal and state programs, grants, and other assistance that would supplement the local capabilities.

Each jurisdiction was asked to answer yes or no to the type of capability listed. For the final page on Specific Capabilities they were asked to fill in the blanks on the name of the capability for their jurisdiction.

Once the information was received from the local jurisdictions it was compiled in the tables in the individual jurisdiction's sections, reviewed with the jurisdictions, and then finalized.

Risk Assessment Process

Various methodologies are available to facilitate risk assessment. A common approach was needed to enable the setting of mitigation priorities both within and among jurisdictions. The Region 5 planning team developed a framework that assesses risk as a function of threat, vulnerability, and consequence.

What follows is a description of the methodology of hazard/threat identification, vulnerability analysis, and consequence analysis.

Hazard Identification

A primary part of the Region 5 Risk Assessment is identifying the Region's hazards. The hazard identification process used for this assessment is derived from the PC DEM Hazard Identification Process. The Pierce County Hazard Identification and Vulnerability Analysis (HIVA) was the starting point for assessing risk in Region 5. The Pierce County HIVA uses, HIVAs and Risk Assessments from individual jurisdictions, Pierce County's computer mapping software, scientific studies and papers, and interviews with local hazard experts and Region 5 officials to develop a list of hazards and the risk they pose for the individual jurisdictions.

The process actually began after Congress passed the DMA 2000; PC DEM began updating its HIVA using "best available science and information." In early October 2001, DEM convened a series of 1-2 hour workshops over a two-day period, during which prominent regional earth scientists, and other professionals, presented current information about known hazards, and facilitated discussion of mitigation measures.

The workshops increased the participants' understanding of the devastating potential of some hazards, e.g., lahars, and raised the issue of providing an adequate definition for "hazards". Some natural conditions have the potential to cause loss of life, property damage, environmental impacts, but may not become "disasters". As a result, the following definitions were developed to determine which natural hazards should be addressed by the mitigation plan.

- *Hazard:* a condition, natural or human-caused, which has the potential to threaten human life, property, and environment.
- *Vulnerability:* the probability that any physical, structural, socioeconomic, or environmental element will be damaged, destroyed, or lost to a natural or human-caused hazard.
- *Disaster:* occurs when a hazard impacts a community and outstrips that community's ability to cope with injury, death, property damage, environmental impacts, or disruption to essential functions. It is the intersection of a hazard with the human environment that produces a disaster.

Since the purpose of the plan is to mitigate *disaster*, DEM reduced the hazard list to:

- Single, infrequent events which cannot be anticipated or predicted, and whose potential for loss of life, property, and environment is significant to the community, and;

- Repetitive events that can be predicted with reliability within days or hours, and cause injury or death, property damage, or environmental impacts.

After assessing hazard maps produced by Pierce County’s computer mapping software and interviews with County officials and local hazard experts⁶, the list of potentially *disastrous* natural hazards to the County was narrowed to the following nine:

- Avalanche
- Drought
- Earthquake
- Flood
- Landslide
- Severe Weather
- Tsunami and Seiche
- Volcano
- Wildland/Urban Interface Fire

Evaluating the hazards that were listed and consolidating the storms section into one category was decided on by the planning group. Once the decision was made on which hazards to cover extensive research was done to further update the HIVA with the latest information available. The decision was also made to add material on Climate Change as an informational piece.

The Planning Team believes that the various officials’ experiences within the area, as well as their capabilities to derive reasonable estimates of the geographic area at risk and the potential impacts of the hazard, is adequate for the purposes of this planning effort.

The recurrence probabilities were based on best available science, the historical record when available, and information from local hazard experts. For some hazards, like severe weather or floods, the historical record is pretty well defined. For others, like volcanic eruptions or spontaneous lahars, the record has to be read from the geologic evidence and therefore the recurrence rate can only be determined over time by scientific enquiry.

After each hazard was profiled in the Risk Assessment, a consequence analysis of its affects on different portions of the County was added. That section asks seven questions that evaluated the overall impact on the Region. These are:

- How is the health and safety of persons in the affected area at the time of the incident affected?
- How is the health and safety of personnel responding to the incident affected?
- How is the jurisdictions continuity of operations affected and can it continue to deliver services to the impacted area?
- What is the affect on the jurisdiction’s property, facilities and infrastructure?
- What are the effects on the environment?
- How will the economic/financial environment be impacted?
- How will the public’s confidence in a jurisdiction be impacted or changed?

The Jurisdictions

Hazard Identification

Once the Hazard Identification was completed, the hazard evaluations were done for the individual jurisdictions. Hazard maps were produced for those hazards that had adequate information to do so and matched against the jurisdictions. The Planning Team produced the maps using data from the following agencies: U.S. Geological Survey (USGS); National Oceanic and Atmospheric Administration (NOAA); Pierce County Water Programs; Pierce County Planning and Land Service, FEMA; Washington State Department of Ecology (DOE); Washington State Department of Natural Resources (DNR), and any maps provided by the individual jurisdictions. Spatial analysis was completed for each jurisdiction when possible and the threat to the population, land, and improved property was placed on tables in each jurisdiction's section. Using a table format, this section portrays the threats via a table of past incidents and declarations per specific hazard. This information includes impacts to property, facilities, and infrastructure in the entire jurisdiction whether or not owned by the jurisdiction.

Two decisions were made that affect the tables in the Risk Section of each jurisdiction's addendum. First, the earthquake threat section of the table is determined by the soft or liquefiable soils. It should be noted that the entire County has an earthquake threat, but that will not show up on the table only the expected areas that will experience enhanced shaking. Secondly the tables showing the volcano threat are looking at the lahar threat, not the threat from other volcanic hazards like tephra. The potential area threatened by tephra will also include the entire Region.

Vulnerability

The vulnerabilities are portrayed using information derived from the Pierce County mapping system County View Pro and determining the following information for each jurisdiction by hazard or threat:

- General Exposure
- Population Exposure
- Infrastructure Exposure

Due to the variable nature of some hazards some jurisdictions, like the City of Gig Harbor may be at risk from a tsunami, but have no risk from lahars. In contrast, for some others, like Fire District #18, the risk from these two hazards is the exact opposite. Yet both jurisdictions have similar risks from severe weather.

To determine the vulnerability of a jurisdiction, the location and extent of each hazard was applied spatially to the jurisdiction profile. The analysis describes exposure of population, both generally and categorically, to each hazard. The analysis also describes exposure of general infrastructure, in terms of property and value, to each hazard. Using this spatial analysis, a jurisdiction can track the overall affects of vulnerability reduction measures by determining the change in exposure of population and property to specific hazards.

The risk assessment considers all three components of risk and is conducted at three levels: the jurisdiction level, the population level, and the infrastructure level. At the jurisdiction level, the assessment considers the fundamental characteristics of the population and property within the jurisdiction to determine vulnerability and consequence of a given threat. Table 4-2 in each addendum shows the area in square miles of the jurisdiction and the parcels and then breaks down those numbers by the hazards or threats that affect that jurisdiction. At the population level, Table 4-3 in each addendum shows the total population of the jurisdiction and then breaks down the population by specific hazard or threat. At the infrastructure level, the assessment considers the land value, improved value, and total assessed value of the jurisdiction and using GIS information calculates for each hazard or threat in the given jurisdiction. Table 4-4 in each plan shows the general infrastructure exposure.

The Planning Team conducted a vulnerability assessment for each jurisdiction. Both threat-based and asset-based methods were used to determine the vulnerability of infrastructure to hazards. To determine the threat-based vulnerability, the location, extent, and historical impact of each hazard is applied to the infrastructure. The result is a determination of the infrastructure's exposure and previous experience in relation to each hazard. This is found in the Infrastructure Hazard Vulnerability Analysis Table, Table 4-4, found in each jurisdiction's Risk Assessment Section.

Consequence Analysis

Consequence Analysis asks: How would the identified hazard events damage or disrupt each jurisdiction? When discussing the effects of an incident one must include not just the immediate damage, but the consequences of the disruption both short and long term.

The seven questions in the base Risk Assessment also form the basis of the consequence analysis in the individual jurisdictions Risk Assessment. In this case for each of the nine hazards profiled a yes or no answer was asked for each of the following:

- Impact to the Public?
- Impact to the Responders?
- Impact to COG or COOP in the Jurisdiction?
- Impact to Property, Facilities and Infrastructure?
- Impact to the Environment?
- Impact to the Jurisdiction's Economic Condition?
- Impact to the Public Confidence in the Jurisdiction's Governance?

The results of this are shown in the Consequence Analysis Chart that appears in Table 4-5a and 4-5b in each jurisdiction's addendum.

Mitigation Strategy Process

The hazard mitigation strategy includes a description of mitigation goals to reduce or avoid long-term vulnerabilities to the hazards identified in the Risk Assessment. The mitigation strategy identifies and analyzes a comprehensive range of specific mitigation measures to reduce the effects of each hazard.

The development of a mitigation strategy, begins with a review of the **FEMA Mitigation Goal Categories**. To ensure that goals for the multi-jurisdictional plan are community-specific, each jurisdiction's mission statement was applied to the FEMA categories, resulting in **Region Mitigation Goals**.

FEMA Mitigation Goal Categories

The FEMA 386.3 document outlines six categories into which all mitigation measures can be grouped. They are⁷:

1. **Prevention**: Government administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses. Examples include planning and zoning, building codes, capital improvement programs, open space preservation, and storm water management regulations.
2. **Property Protection**: Actions that involve the modification of existing buildings or structures to protect them from a hazard, or removal from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
3. **Public Education and Awareness**: Actions to inform and educate citizens, elected officials, and property owners about the hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and school-age and adult education programs.
4. **Natural Resource Protection**: Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
5. **Emergency Services**: Actions that protect people and property during and immediately after a disaster or hazard event. Services include warning systems, emergency response services, and protection of critical facilities.
6. **Structural Projects**: Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, levees, floodwalls, seawalls, retaining walls, and safe rooms.

Region 5 Mitigation Goals

Because cooperation is essential to many of the mitigation measures, the Planning Team felt it was essential to have universal goals for the Region. In order to localize the FEMA Mitigation Goal Categories the Planning Team considered the mission statements of each of the 48 jurisdictions, the Washington State Mitigation Plan Goals, community education, public understanding of risks, and the ability of each jurisdiction to fund and implement mitigation measures. After applying the above factors to the each jurisdiction's mission statement, the Planning Team developed the following natural hazard mitigation goals for the Region:

- **Protect Life and Property**
- **Ensure Continuity of Operations**
- **Establish and Strengthen Partnerships for Implementation**
- **Protect the Environment**
- **Increase Public Preparedness for Disasters**
- **Promote a Sustainable Economy**

The Region 5 Hazard Mitigation Plan goals describe the overall direction that the jurisdictions and their citizens can take to work toward mitigating risk from natural hazards. These goals are stepping-stones between the broad direction of the Plan purpose and the specific recommendations outlined in the subsequent mitigation measures.

Mitigation Objectives

Each jurisdiction was given a worksheet to help them define specific objectives for the Mitigation Measures they would soon develop. They were tasked to define strategies or implementation steps to attain the identified goals. Unlike goals, objectives are specific, measurable, and narrower in scope.

Some objectives may not be based solely on the results of the loss estimation, but also on social and environmental values, political desires, historic preservation concerns, and/or state mitigation priorities and funding opportunities. For example, a community with a large tourism industry may be more interested in protecting historic or commercial assets first rather than protecting other assets that demonstrate a higher vulnerability to hazards.

Mitigation Measures: Identification and Evaluation

The Mitigation Strategy includes components that identify and analyze a comprehensive range of specific mitigation measures that reduce the effects of one or more hazards.

Based upon their objectives and aided by the Risk Assessment and Capability Identification done for each jurisdiction, the individual jurisdiction Planning Team members identified jurisdiction-specific mitigation measures.

To help achieve each of the planning goals, the Plan identifies mitigation measures—specific actions or projects that help mitigate risk for each jurisdiction. The planning process of data-collection, research, and public participation leads to the development of these measures. This process ensures that the measures speak to the risks and that these measures be implementable.

The Risk Assessment is central to the process of selecting mitigation measures from the Plan's goals.

The outcomes of the Risk Assessment illustrate the hazards to which each jurisdiction has the most vulnerability. The Risk Assessment provides focus for the Plan's goals through identification of the jurisdiction's vulnerability to specific hazards. Specific mitigation measures were then developed to focus on the relevant hazards.

Once the measures are identified, they are further defined in terms of the goals they address as well as the hazards they mitigate. Evaluation of the measures follows their identification and definition. Using the Capability Identification, the Planning Team evaluated the list of measures with regards to each measure's ability to be implemented.

Through meetings, use of the Mitigation 20/20 tools, and review of other local mitigation plans, the Planning Team, in addition to the hazards addressed, selected the following eight categories to comprehensively evaluate each measure:

1. Goal(s) Addressed

What mitigation goals does the measure address?

2. Cost of Measure

How much will the measure cost to implement?

3. Funding Source and Situation

What is the potential funding source? Choose the statement(s) below that most accurately defines the funding situation for the proposal:

- Funding could be obtained through local budget.
- Funding could be obtained through state or federal grants.
- Funding could be accomplished with local budgets or grants.
- No potential funding sources can be readily identified.

4. Lead Jurisdiction(s)

Which jurisdiction(s) will be leading the implementation of the measure?

5. Timeline

How long will it take to implement? Measures include ongoing, short-term, and long-term activities. Each measure includes an estimate of the timeline for implementation:

- Ongoing measures are activities which the jurisdiction is already implementing.
- Short-term measures are activities which the jurisdiction is capable of implementing with existing resources and authorities within one to two years.
- Long-term measures may require new or additional resources or authorities, and may take between one and five years to implement.

6. Benefit

Does it benefit all jurisdictions and/or is it Facility Specific?

7. Life Expectancy of Measure

How long will the measure last?

8. Community Reaction

Choose the statement(s) that most accurately describes how the community would react to the implementation of the proposal:

- The proposal is likely to be endorsed by the entire community.

- The proposal would benefit those affected, with no adverse reaction from others.
- The proposal would be somewhat controversial.
- The proposal would be strongly opposed by most.
- The proposal would be strongly opposed by nearly all.

A measure's ability to be implemented is illustrated in Categories 2 (Cost of Measure), 3 (Funding Source and Situation), 4 (Lead Jurisdiction(s)), and 5 (Timeline). The extent to which a measure would mitigate one or multiple hazards is addressed in Category 1 (Goals Addressed) which further helps to encapsulate the jurisdiction's unique vulnerabilities and needs. The issue of the number of hazards addressed is also inherent in Category 6 (Benefit). For cost-benefit review, categories 2, 3, and 5 directly address cost. Categories 6 and 7 (Life Expectancy of Measure) directly address benefit. Category 8 (Community Reaction) indirectly considers both potential costs and potential benefits of the measure in terms of public opinion.

The evaluation process involved meetings in which the Planning Team discussed the measures with specific attention paid to their definitions, the ability of the measures to be implemented, the extent to which they address the hazards in the jurisdictions, and their cost-effectiveness. Following the evaluation of mitigation measures is their prioritization.

Mitigation Measures: Prioritization

The measures having been identified, defined, and evaluated, the rest of the process involves prioritization. The process relies upon the identified risks and vulnerabilities, the planning team's local expertise, public participation, each jurisdiction's needs and capabilities, a cost/benefit review, and input from the chief elected officials. Over the course several weeks, the Planning Team presented, outlined, categorically defined, and prioritized each mitigation measure.

In order to promote implementation of the measures, they are grouped based on the level at which they will be implemented, as described in the Plan Maintenance Section. These levels are:

- **Startup Mitigation Measures:** Those mitigation measures already in existence within the jurisdiction and including the maintenance of the mitigation plan.
- **Hazard Mitigation Forum (HMF):** Multi-jurisdictional implementation mechanism.
- **Jurisdiction-Wide Mitigation Measures:** Mechanism depends on jurisdiction.
- **Public Education Mitigation Measures:** Localized level based on targeted communities and their needs and vulnerabilities.

The measures are prioritized within each implementation category. In order to provide consistency, the evaluation process, including the eight categories, was used as the basis for the prioritization of measures. This allows for emphasis on the extent to which each measure is cost-effective. While it may be important to emphasize a positive benefit-cost review in the prioritizing of mitigation measures, it is also important to emphasize the influence of local political factors, community needs and values, historic properties, and habitat and environmental issues upon the selection of specific mitigation measures. Therefore, the prioritization process addresses each jurisdiction's unique needs, expressed here in terms of the

measure's ability to be implemented and the extent to which it would mitigate one or more relevant hazards.

After presentation and discussion, the Planning Team members from each jurisdiction prioritized their jurisdiction's potential mitigation measures based on goals addressed, with special attention paid to the measure's benefit-cost review, its ability to be implemented, and the extent to which it would mitigate one or multiple relevant hazards. Each jurisdiction then presented its measures to the public for comment at eight Public Comment Meetings held from December 3 through December 13, 2007, see Table 1-14.

Following the public meeting and any necessary changes, the mitigation measures, were included in the Plan. In so doing, the public, the respective chief elected officials, and the Planning Team aided in the development of a long-term, cost-effective, environmentally sound, and sustainable mitigation strategy.

Infrastructure Summary Process

The infrastructure section is not a required element of the local hazard mitigation plan, but is instead optional. The Planning Team determined that this section should be developed in order to make the Plan a more comprehensive blueprint for reducing the potential losses identified in the Plan's Risk Assessment.

The infrastructure section is exempt from public disclosure pursuant to RCW 42.56.420. Requests for public disclosure of this section or parts thereof should be referred immediately to the appropriate representative as shown in Tables 1-1 through 1-4 of this section.

Definition

The Planning Team determined that the plan should include, but not be limited to, those infrastructures that fit FEMA's definition of a "critical facility."⁸ Other infrastructures that are not necessarily critical will play a role in disaster response and recovery. Each jurisdiction further included infrastructure that should not fail, or will be important for the community's welfare, such as sewage treatment plants, or infrastructures necessary for the functioning of the jurisdiction, such as schools (which can also be shelters).

Identification

Individual jurisdictions were asked to identify the infrastructure they wanted added to the Mitigation Plan. A template, modified from "Mitigation 20/20" was created for each jurisdiction to use in listing their infrastructure. Members of the Planning Team and facility representatives filled out the templates which in turn helped develop the hazard identification and risk information for given locations. This assessment was intended to rely on the best judgment of the representative about the facility, its environment, and its functioning.

Profile

Fundamental information was required for each piece of infrastructure. In order to gather the information a template was developed to identify the individual pieces of infrastructure. It includes the following information:

- Address of infrastructure
- Shelter: Yes or No
- Auxiliary Power Source
- Year Built
- Number of floors if structure
- Major remodels, upgrades or additions
- Insured value
- Occupancy day and night
- Population served
- Homeland Security Infrastructure Category⁹
- Critical within 72 hours or not

Once the infrastructure had been identified, the Planning Team visited each jurisdiction, met with the representative, took a tour of each location with respect to photographing the infrastructure, and identified the hazard vulnerability of the infrastructure. The assessment was not intended to require detailed engineering information or studies, or to necessarily require onsite inspections or measurements. It was simply intended to rely on the best judgment of individual(s) with knowledge about the building or system, its environment, and its function.

Infrastructure Summary

Each Infrastructure Section begins with a summary table of total infrastructure and total value as assigned by the jurisdiction through their budgetary process and found in Table 6-1.

Infrastructure Category Summary

Using the primary Homeland Security Infrastructure Segments, the infrastructure from each jurisdiction was categorized and listed according to the primary category of each location. In some cases, categories were broken down further into type of infrastructure within a category. This information is depicted in Table 6-2.

Infrastructure Dependency Summary

A table was compiled using the six primary dependencies for any jurisdiction: Emergency Services, Power, Sewer, Telecommunication, Transportation, and Water. When the site visits took place, each piece of infrastructure was evaluated on the basis of these six categories. Table 6-3 is a summary of how many pieces of infrastructure fall into each category and assigns percentages as well.

Infrastructure Hazard Summary

Another table was compiled using the nine hazards identified for Region 5 in this planning effort. When the site visits were completed, each piece of infrastructure was evaluated on the basis of these nine hazards. Table 6-4 is a summary of how many pieces of infrastructure fall into each category and assigns percentages to those hazard categories.

Dependency

In addition to the four categories of capabilities for each jurisdiction, there is an additional table, Table 6-5, which illustrates the primary external departments, agencies, and organizations the individual jurisdictions depend upon to do business on a daily basis.

Vulnerability Assessment

The Planning Team also conducted numerous vulnerability assessments during the planning period. These assessments built on the nine hazards previously identified and the risk they pose to each jurisdiction's infrastructure. The vulnerability assessment process examines more specifically how the identified hazard events would damage or disrupt these facilities.

The Planning Team developed a form based on "Mitigation 20/20" routines to conduct vulnerability assessments for the various pieces of infrastructure. A total of fifteen qualitative numeric criteria were utilized in the assessments. This meant that each of the identified infrastructures was evaluated with respect to the nine identified hazards and the six primary dependencies. Each piece of infrastructure was given a rating for each hazard and dependency of from 0 to 3 with 0 being no vulnerability to that particular and 3 being the highest vulnerability. These ratings were listed in the large infrastructure matrix, Table 6-6, and also a complete list of the basis for these ratings is shown in Tables 6-7 and 6-8. The following scale was devised for the ratings.

0-1	→	Low Hazard/Dependency Vulnerability Rating	(L)
2	→	Medium Hazard/Dependency Vulnerability Rating	(M)
3	→	High Hazard/Dependency Vulnerability Rating	(H)

This process took approximately two months and the Planning Team visited over 1,200 pieces of infrastructure. The Infrastructure Section is a summary product compiled by the infrastructure owners and the Planning Team showing the composite vulnerabilities score and ratings of each piece of infrastructure.

For some infrastructure, information was unavailable due to time restraints and fiscal resources. This information will be gathered in the next five years. A "TBD" (To Be Determined) is used to show that the infrastructure information will be gathered in the future.

Plan Maintenance Process

The planning process is the foundation of breaking the disaster cycle. For each jurisdiction the Plan that has been developed is a beginning; a beginning on the path to a disaster resistant community. However it is essential that a plan be a living document, evaluated, updated or revised as necessary. The Plan Maintenance process is an attempt to do this.

The initial review of the Plan will be a “Pre Adoption Review” allowed by State EMD and FEMA. State EMD and FEMA will review the Region 5 Hazard Mitigation Plan and either approve it subject to adoption or require some changes along with adoption prior to final approval. Once this is complete, each jurisdiction will then formally adopt the Plan and resubmit it for final approval.

The Plan Maintenance Section details the formal process that will guarantee the Plan remains an active and relevant document. It includes:

- Documentation of the Plan’s formal adoption (Each jurisdiction’s Appendix A);
- A schedule of monitoring, evaluating, and updating within a five-year cycle;
- A process for submitting the Plan to State EMD and FEMA at the end of the five-year cycle in 2013;
- An explanation of how each jurisdiction intends to incorporate the mitigation strategies outlined in the Plan into existing mechanisms; and
- A process for integrating public participation into plan maintenance procedures.

Endnotes

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

² Clackamas County, Oregon, Natural Hazard Mitigation Plan., 2007.

http://www.clackamas.us/emergency/natural_hazard_mitigation_plan.html Modified Clackamas County template.

³ <http://www.co.pierce.wa.us/pc/abtus/ourorg/dem/EMDiv/MitSB.htm> -Hosted by Pierce County Department of Emergency Management.

⁴ The Infrastructure Section is exempt from public disclosure pursuant to RCW 42.56.420. Request for public disclosure of this document or parts thereof should be referred immediately to the Person identified in the local jurisdiction's Annex.

⁵ FEMA 386-3 State and Local Mitigation Planning How-to Guide: Developing the Mitigation Plan: Identifying Mitigation Actions and Implementation Strategies, April 2003, P.2-6

⁶ Individual hazard experts and emergency officials referenced include:

Carolyn Driedger	USGS/CVO
Willie Scott	USGS/CVO
Randy Brake	P.C. Water Programs
Anthony Fantello	P.C. Water Programs
Hans Hunger	P.C. Water Programs
Chuck Frame	Washington DNR
Ted Buehner	National Weather Service
George Crawford	Washington Military Department, EMD
Tim Walsh	Washington DNR
Craig Weaver	University of Washington/USGS
Bill Steele	University of Washington
Brian Sherrod	USGS

⁷ State and Local Mitigation Planning How-to Guide, Getting Started: building support for mitigation planning, FEMA 386-1, September 2002, p. 2-1.

⁸ Critical Facilities: Can be broken into 5 categories: **Essential Facilities** are critical to the health and welfare of the population and that are especially important following hazard events. They include hospitals and other medical facilities, police and fire stations, EOCs, evacuation centers, and schools. **Transportation Systems** include airways – airports, heliports; highways – bridges, tunnels, roadbeds, overpasses, transfer centers; railways – trackage, tunnels, bridges, rail yards, depots; and waterways – canals, locks, seaports, ferries, harbors, dry-docks, and piers. **Lifeline Utility Systems** include potable water, wastewater, oil, natural gas, electric power and communication systems. **High Potential Loss Facilities** include such things as dams, nuclear power plants and military installations. **Hazardous Materials Facilities** include facilities housing industrial/hazardous materials. State and Local Mitigation Planning: Understanding Your Risks” Publication 386-2, August 2001, p. 3-9

⁹ Not all Homeland Security Categories were given as options, only those that the jurisdictions would fall under. These included: Emergency Services, Telecommunications, Transportation, Water, Energy, Government, and Commercial.