

Cities: (8) Burien, Duvall, Federal Way, Kirkland, Newcastle, North Bend, SeaTac, and Woodinville.

Utility Districts: (11) Cedar River Water and Sewer District (Renton), Coal Creek Utility District (Newcastle), King County Water District #20 (Seattle), King County Water District #90 (Renton), Midway Sewer District, Ronald Waste Water District, Shoreline Water district, Soos Creek Utility district (Renton), Southwest Suburban Sewer District (Seattle), Val Vue Sewer District, and Woodinville Water District.

Fire Districts: (6) Federal Way Fire Department, King County Fire District #2 (Burien and Normandy Park), King County Fire District #26 (Des Moines), King County Fire District #40 (Renton), King County Fire District #45 (Duvall), and Woodinville Fire & Life Safety.

School Districts: (1) Lake Washington School District

Title of Plan:

King County Regional Hazard Mitigation Plan

Date of Plan: December, 2003

Determination:

(Check one)

X	

Approved – Criteria Met & Plan Adopted

Not Approved – Criteria Met / Plan Not Adopted

Not Approved – Criteria Not Met / Plan Adopted or Not Adopted

The plan determination was based upon the review of each of the following plan criteria, excluding the shaded criteria, as required in 44 CFR Part 201. For a local plan to receive FEMA approval, all plan criteria must receive a Satisfactory (S) rating and the plan must be adopted by the local governing body. The Needs Improvement (N) rating indicates the criteria was not addressed or additional information is needed to met the criteria.

44 CFR Part 201		N	S
1. Adoption by the Local Governing Body	§201.6(c)(5)	X	
2. Multi-Jurisdictional Plan Adoption	§201.6(c)(5)	X	
3. Multi-Jurisdictional Planning Participation	§201.6(a)(3)	X	
4. Documentation of Planning Process	§201.6(c)(1)		X
5. Identifying Hazards	§201.6(c)(2)(i)		X
6. Profiling Hazard Events	§201.6(c)(2)(i)		X
7. Assessing Vulnerability: Identifying Assets	§201.6(c)(2)(ii)(A)		X
8. Assessing Vulnerability: Estimating Potential Losses	§201.6(c)(2)(ii)(B)		
9. Assessing Vulnerability: Analyzing Development Trends	§201.6(c)(2)(ii)(c)		
10. Multi-Jurisdictional Risk Assessment	§201.6(c)(2)(iii)		X
11. Local Hazard Mitigation Goals	§201.6(c)(3)(i)		X
12. Identification and Analysis of Mitigation Measures	§201.6(c)(3)(ii)		X
13. Implementation of Mitigation Measures	§201.6(c)(3)(iii)		X
14. Multi-Jurisdictional Mitigation Strategy	§201.6(c)(3)(iv)		X
15. Monitoring, Evaluating, and Updating the Plan	§201.6(c)(4)(i)		X
16. Implementation through Existing Programs	§201.6(c)(4)(ii)		X
17. Continued Public Involvement	§201.6(c)(4)(iii)		X

LOCAL HAZARD MITIGATION PLAN REVIEW WORKSHEET

Jurisdiction:

Title of Plan:

Comments: The Plan is well written. The maps were excellent showing population densities, circulation patterns, city boundaries, and natural hazard areas within each jurisdiction. Apparent King County has excellent Geographic Information System mapping capability.

There is a discrepancy between the jurisdictions who initially agreed to collaborate in developing a Regional Hazard Mitigation Plan and those that submitted plans by the December 8, 2003 deadline prior to submittal to the State Office of Emergency Management (27 jurisdictions vs 21 jurisdictions). Additional jurisdictions plan on submitting their respective plans during the late spring, 2004. Some jurisdictions will go independently.

Please refer to the attached Local Hazard Mitigation Plan Review Worksheet for additional information and comments on each criteria.

FEMA Reviewer: Jerry Probst, Jeff Volkman

Date: June 7, 2004

FEMA Mitigation Plans Manager: Sharon Loper

Date: June 9, 2004

01/2004

1 Adoption by the Local Governing Body

Requirement §201.6(c)(5) [The local hazard mitigation plan shall include] documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council)...

	NOT MET	MET
4. Is the local plan approved by the local governing body of the jurisdiction?	N/A	
5. Is supporting documentation showing citation of the local plan?	N/A	

2 Multi-jurisdictional Plan Adoption

Requirement §201.6(c)(5) For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must document that it has been formally adopted.

	NOT MET	MET
6. Does the plan indicate the specific jurisdictions represented in the plan?		X
7. For each jurisdiction, has the local governing body approved the plan?	X	
8. Supporting documentation, such as resolutions, included?	X	

Jurisdiction:

Title of Plan:

Date of Plan:

3 Multi-jurisdictional Participation

Requirement §201.6(a)(3) Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process... Statewide plans will not be accepted as multi-jurisdictional plans.

Does the mandating authority (state or local government) participate in the plan development?

Yes. See Section 2: Plan Development, Page 2-1 to 2-3. Describes how each jurisdiction was invited to participate. County Executive invited 154 jurisdictions. Seventy - eight jurisdictions expressed interest and submitted signatory forms to become a regional partner. Twenty - seven jurisdictions committed in the first phase. Others will join later in May or June, 2004. Some may go independently.

NOT MET	MET
	X

Jurisdiction:

Title of Plan:

Date of Plan:

4 Documentation of the Planning Process

Requirement §201.6(c)(1): [The plan must 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.

	N	S
A. Does the plan provide a narrative description that explains the planning development process including who led the development of the plan, how the plan was developed, and who was involved in the planning process?		S
B. Does the plan identify the individuals and organizations who were involved in the planning process (e.g., participants, staff, consultants, etc.) and provide information on their roles?		S
C. Does the plan indicate how the public was involved?		S

5 Identifying Hazards

Requirement §201.6(c)(2)(i): [The risk assessment shall include a] description of the type ... of all natural hazards that can affect the jurisdiction...

	N	S
Does the plan include a description of the types of natural hazards that affect the jurisdiction? DESCRIPTION - explain the characteristics of each hazard (e.g., for flooding hazard is it coastal, riverine, stormwater). ALL NATURAL HAZARDS - all probable hazards for the jurisdiction including: SEVERE WEATHER (winter storms including snow, rain, and strong wind over 45 mph, AVALANCHE (heaving snowfall and rain events), FLOODING (riverine), LANDSLIDE (slopes adjacent to Puget Sound), EARTHQUAKE (cascade subduction zone, five active fault lines), CIVIL UNREST (WTO riots, UW violence), AND TERRORISM (incendiary device, UW).		S

Date of Plan:

Requirement §201.6(c)(2)(i): *[The risk assessment shall include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.*

7 Assessing Vulnerability: Identifying Assets	N	S
Requirement §201.6(c)(2) (ii)(A): <i>[The risk assessment shall include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community. The plan should describe vulnerability in terms of §. The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas...</i>		X
A: Does the plan include an overall summary description of the jurisdiction's vulnerability to the hazards?		X
B: Does the plan address the impacts of the hazards on the jurisdiction?		X
C: Requirement: Does the plan identify the types and numbers of buildings, infrastructure, and critical facilities in hazard areas?		

Requirement S201.6(c)(2) (ii)(B): [The plan should describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(i)(A) of this section and a description of the methodology used to prepare the estimate...

LOCAL HAZARD MITIGATION PLAN REVIEW WORKSHEET

Jurisdiction: _____ Title of Plan: _____ Date of Plan: _____

Does the plan estimate potential dollar losses for deductible amounts?	CRITERIA NOT REQUIRED	
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Jurisdiction:

Title of Plan:

Date of Plan:

9 Assessing Vulnerability: Analyzing Development Trends

Requirement §201.6(c)(2) (ii)(c): [The plan should describe vulnerability in terms of providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.]

CRITERIA NOT REQUIRED

10 Multi-Jurisdictional Risk Assessment

Requirement §201.6(c)(2) (iii): For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area..

Does the plan include a risk assessment for each participating jurisdiction as required in the title of each plan?

Yes. See the attached Annex B: Cities (6), Fire Districts (4), Utilities (9), Lake Washington School District (1), King County Government. Each jurisdiction has an excellent colored map showing the jurisdiction's boundaries and the potential hazards within such boundaries.

11 Local Hazard Mitigation Goals

Requirement §201.6(c)(3)(i): [The hazard mitigation strategy shall include: a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

Does the plan include a description of mitigation goals?

GOALS - Usually long-term and representative of the community's main objective, such as eliminate flood damage.

Yes. See Section 1, Pages 1-6 to 1-8.

12 Identification and Analysis of Mitigation Measures

Requirement §201.6(c)(3) (ii): [The mitigation strategy shall include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure

Does the plan include a comprehensive range of specific mitigation actions and projects for each hazard?

Yes. See Annex B: Cities, Fire Districts, Utility Districts, School, and King County Government. Each jurisdiction has a standardized "template" (Regional Hazard Mitigation plan of King County - Initiatives). The template identifies such items as "name of jurisdiction", "type of hazard", "priority", "relationship to goals", "cost of project", "Benefit /Cost ratio", Funding Source", and "Adopted Date or Resolution". This approach appears to work well. It is standard for all participants, uniform, easy to read, and succinct.

Jurisdiction: _____ Title of Plan: _____ Date of Plan: _____

Does the mitigation strategy address how the actions will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.	Yes. Not in terms of number of new buildings, but per cent of available vacant developable land within the defined urban growth of King County. For example, the King County Growth Urban Grow Area contains more than 27,000 acres of vacant land. More than 84 per cent of the land is designated single family. See Pages 3-55 to 3-57. A map showing King County's Urban Growth Boundary is shown among 16 maps following Page 3-60 that had no identifiable reference or page number. This could have given some sense to future development and population. Page 3-6, Population Growth and Future Trends, states the County will grow by 140,000 persons by 2012, about eight per cent, for a total population of 1,875,000. One of the maps showed existing growth and population concentration.	X
Does the mitigation strategy address how the actions will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.	Yes. See the discussion of "Implementation of Mitigation Measures" below.	X

13 Implementation of Mitigation Measures

Requirement: §201.6(c)(3) (iii):

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

N		S
X	Yes. See Page 7-1, Section 7: Regional Mitigation Strategy. The six regional goals were prioritized. The top two are "protect life and Property" and "Support Emergency Services".	X
X	Yes. See comments above in 12.A.	X
X	Yes. See comments above in 12.A.	X
X	Yes. See comments above in 12.A.	X

14 Multi-jurisdictional Mitigation Strategy

Requirement §201.6(c)(3) (iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.

N		S
	Requirement §201.6(c)(3) (iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.	X

Jurisdiction:

Title of Plan:

Date of Plan:

Does the plan include separate, identifiable sections for each jurisdiction requesting FEMA approval of the plan?	Yes. See comments above in 12.A.		X
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15 Monitoring, Evaluating, and Updating the Plan

Requirement §201.6(c)(4)(i): [The plan maintenance process shall include a section describing the] method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

Does the plan describe the method for monitoring the plan? The plan shall show how the plan will be monitored, and the department responsible for monitoring.	Yes. See Page 2-10, Plan Administration and Maintenance. King County Office of Emergency Management Director. Signatories to the plan will be responsible for monitoring and updating the plan for their own individual jurisdictions.		X
Does the plan describe a schedule for monitoring, evaluating, and updating the plan within the five-year cycle?	Yes. See Page 2-10. The HMP will be revised annually for resubmission to the State of Washington and FEMA. (second Monday of December).		X

16 Implementation Through Existing Programs

Requirement §201.6(c)(4) (ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate...

Does the plan identify other local planning mechanisms available for incorporating the requirements of the mitigation plan?	Yes. See Page 2-9, Implementation of the Regional Hazard Mitigation Plan. Five potential funding mechanisms are listed: Capital improvements program budget, Operations Budgets, Grant Proposals where available, Expansion of Public Education program scope, and Proposals for bond levies where applicable. See Page 3-55 & 56 describes the County's "Designated Urban Growth Areas" resulting from the "Washington State Growth Management Act", and the goal to contain future urban growth within such areas.		X
Does the plan include a process by which the local government will incorporate the requirements in other plans, when appropriate?	Yes. See Annex B. Each of the participating Cities (6), Fire Districts (4), Utility Districts (9), School Districts (1), and King County has a narrative discussion of mitigation strategy. Each jurisdiction included a "Mitigation Plan Map" showing the natural hazards within its boundaries over lain on the development pattern.		X

17 Continued Public Involvement

Requirement §201.6(c)(4) (iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process.

Does the plan explain how continued public participation will be obtained? (e.g., public notices, an ongoing newsletter, public comment, annual review meeting, etc.)	Yes. See Pages 2-6 to 8, Public Involvement, particularly, Page 2-7, Continued Public Involvement.		X
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Jurisdiction:

Title of Plan:

Date of Plan:

— END REVIEW CHECKLIST —