Planning for Climate Change

WA Coastal Training Program, Padilla Bay NERR

Time	Topic, Objectives, and Activities	Materials and Trainer
9:00	**Introduction, Workshop Overview and Objectives** Objectives: Meet other participants, training objectives, logistics, how and why this training was developed, how it serves as a component of a national project. Activities: 1. Welcome participants, survey of agency types represented, "housekeeping." 2. Overview of course and objectives. How and why this course was developed in WA and how it serves as a model for reproducible trainings nationwide. Influence of needs assessment survey results on course design process—emphasize that respondents helped determine course content. Indicate collaborative nature of training planning—four agencies heavily involved. 3. Identify *Preparing for Climate Change: A Guidebook for Local, Regional, and State Governments* as a key document in development of this course. (Guidebook was distributed to students before class. Available at: http://cses.washington.edu/cig/fpt/guidebook.shtml) Total time = **10 minutes**	Manual, agenda Angell (WA Coastal Training Program)/Hoffman (WA Sea Grant)
9:10	**Global and Pacific NW Climate Change** Objectives: Understand WA's place within the "big picture" of global climate change. Delineate key sectors that might need to be considered when planning for climate change. Activities: 1. Highlight climate change impacts to hydrology/snowpack, water supply, salmon, forests, etc. (excluding sea level rise/coasts given presentation that follows) Total time = **45 minutes**	Manual, ppt Whitely Binder (UW Climate Impacts Group)
9:55	**Sea level rise & coastal impacts** Objectives: Describe sea level rise science and impacts in more depth plus implications for shoreline and coastal land use planning. Activities: 1. Coastal impacts presentation to focus on WA geography and policies, embedded in general overarching concepts. Total time = **45 minutes**	Manual, ppt, Shipman (WA Dept. of Ecology)
10:40	**Question and Answer session (10 minutes)** Time to direct questions at both morning science presenters.	
10:50	**Break (10 minutes)**	

11:00	**Fundamental Concepts in Planning for Climate Change** Objectives: Define adaptation and differentiate from mitigation. Describe the variety of mechanisms by which adaptation planning might occur. Summarize successful adaptation planning efforts from WA-based jurisdictions. Share WA-centric resources for adaptation planning. Activities: 1. What is adaptive planning? Why is it important? What does it mean? How do you plan for climate change in general? 2. Include examples from large and small communities of specific actions being taken to adapt to climate change (e.g. Olympia, King County, Swinomish Tribe, etc.). 3. Question and answer between audience and presenters (5 mins.) Total time = **55 minutes**	Manual, ppt Willmott/Wolf/ Wharton (King County Executive Office)
11:55	**Community Engagement and Addressing Barriers to Adaptation** Objectives: Describe strategies for engaging the public and elected officials. Identify most common barriers to adaptation planning. Activities: 1. Highlight strategies for engaging the public and elected officials on adapting to climate change. 2. Include examples of how communities of different sizes mobilized to engage public in adaptation planning (e.g. British Columbia timber communities). 3. Delineate the common barriers to adapting to climate change and discuss how to address them. 4. When reviewing barriers, solicit feedback from attendees re: who has encountered each barrier type in their community (via raising of hands). 5. Question and answer session on engagement and addressing barriers. (5 mins.) Total time = **35 minutes**	Manual, ppt Whitely Binder
12:30-1:15	**Lunch (45 minutes)**	
1:15	**Technical Tools and Resources** Objectives: Understand components of a vulnerability assessment. Know how to access information sources, data, and tools relevant to climate planning Activities: 1. Describe how to conduct a vulnerability assessment. 2. Highlight key tables and exercises described in planning guidebook. 3. List agency and web-based sources of data, information, and tools useful for climate planning. Identify diverse sources of info from federal to state and local entities. 4. Demonstrate GIS-based King County Asset Vulnerability Tool, accessible online to any interested party. Go to "Related activities" to download GIS tool available at: www.kingcounty.gov/exec/globalwarming/environmental/2005-climate-change-conference.aspx 5. Question and answer with presenters. (5 mins.) Total time = **35 minutes**	Manual, ppt, King County web site, *Preparing for Climate Change* guidebook Whitely Binder/ Wharton
1:50	**Worksheet Exercise - Identifying Vulnerabilities in Your Community** Objectives: Identify vulnerabilities across sectors in communities. Identify top barriers to adaptation, key stakeholders, action time frames (5, 10, 20 year horizon) and next steps to take locally.	Worksheets, small groups

	Activities: 1. Explain that worksheet exercise will involve individual, small group, and large group interactions. (5 mins.) 2. Work individually to fill out vulnerability worksheet. (15 mins.) 3. Engage in small group discussions on issues raised by worksheet. (20 mins.) 4. Report back to whole group about worksheet content—vulnerable sectors/infrastructure, barriers, stakeholders, next steps. (15 mins.) Total time = **55 minutes**	Willmott/Whitely Binder
2:45	**Break (10 minutes)**	
2:55	**Summary of Washington State's Climate Change Program and Implications for Major Washington State Planning Regulations** Objectives: Understand which pieces of state legislation intersect with climate issues and implications for potential changes in policy direction. Differentiate between state activities on mitigation versus adaptation. Describe state processes for studying climate impacts and policies. Identify regional efforts to study, mitigate for, and adapt to climate impacts. Activities: 1. Presentation of science and policy materials to support objectives. 2. Describe key legislative and planning mechanisms and intergovernmental agreements to focus on climate impacts. 3. Present questions for participants to consider about how and why policy changes should or could be made. 4. Question and answer with presenter. (5 mins.) Total time = **50 minutes**	ppt Reeder (WA Dept. of Ecology)
3:45	**Closing Remarks and a Brief World Tour of Climate Adaptation Projects** Objectives: Provide perspective on approaches to climate adaptation around the globe. Know adaptation examples from various scales and sectors, including: urban and rural, developed and developing countries, infrastructure/built environment and restored natural environments, coastal and other ecosystems. Activities: 1. Presentation of global examples to refocus and inspire participants that adaptation actions are being taken and that adaptation is feasible at both large and small scales. 2. Ask participants to consider how adaptation will proceed in their jurisdiction & how to integrate what they learned at the training into their planning responsibilities. Total time = **15 minutes**	ppt Hoffman
4:00	**Conclusion and Thank You** 1. Identify key collaborators and funders. 2. Thank presenters. 3. Remind participants to complete evaluation survey. Total time = **5 minutes**	Angell/Hoffman