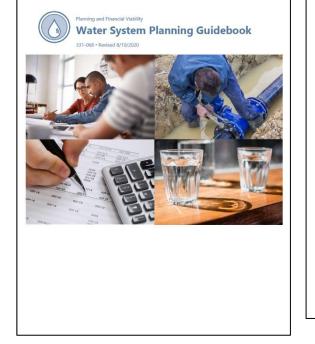
## WSP Climate Resilience Element Supporting Resources

## Climate Resilience Element: Multiple Supporting Resources





## New section in Chapter 2 of existing DOH WSP Guidebook

#### DRAFT Climate Resilience Element (CRE) Workbook

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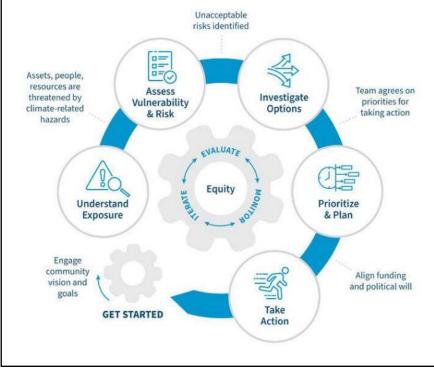
UW CIG 'Water System Planning Resources' webpage

### DOH Climate Resilience Element Workbook

### Climate Resilience Element: Approach and Framework

- Translated RCW language into a proven resilience framework to assess and plan for extreme weather events.
- Steps to Resilience Framework provides a step-wise, iterative approach for evaluating and responding to risks from climate-related hazards.
- Several large municipalities have used this framework to plan and mitigate weather and climate risks.

## Steps to Resilience Framework: U.S. Climate Resilience Toolkit







# Follows 'Steps to Resilience Framework', paralleling RCW language

Steps to Resilience Framework	WSP CRE Guidebook Section	RCW
Understand Exposure	A.1	A.1
Assess Vulnerability & Risk	A.2	A.2
Investigate Options	В	В
Prioritize & Plan	С	С

#### 2.8 DRAFT Climate Resilience Element

**Purpose.** Climate change is expected to alter the quantity, quality, and availability of water supplies across Washington. However, these impacts vary across the state and the specific impacts realized by different water systems are determined by a multitude of factors such as supply source (surface, groundwater), water rights, access to alternative supplies, and financial resources. This section should document which extreme events are likely to pose the most significant challenges for water systems and the range of potential impacts of these challenges such that water systems can incorporate this information into their assessment of critical assets (Chapter 3), Capital Improvement Program (Chapter 8), and Financial Program (Chapter 9).

Beginning June 30, 2025, water systems serving 1,000 or more connections must include a Climate Resilience Element in their Water System Plans (WSP). The requirements are outlined in <u>RCW</u> 43.20.310 and include that water systems must:

- A. (1) Determine which extreme weather events pose significant challenges to their system; and
   (2) Build scenarios to identify potential impacts;
- B. Assess critical assets and the actions necessary to protect the system from the consequences of extreme weather events on system operations; and
- C. Generate reports describing the costs and benefits of the system's risk reduction strategies and capital project needs.

Acknowledging the diversity of climate resilience activities water systems may pursue, this section provides a general approach for addressing the requirements of RCW <u>43.20.310</u> and shares resources available to support water systems in evaluating and addressing their system's specific challenges. The approach outlined in this section is modeled after the 'Steps to Resilience' framework in the <u>U.S. Climate Resilience Toolkit</u> (Figure 1) and is structured to align with requirements A-C in <u>RCW 43.20.310</u>. A Climate Resilience Element (CRE) Workbook (link)<sup>12</sup> and other resources are available to support water systems in fulfilling the requirements of this section. The University of Washington, Climate Impacts Group (CIG) 'Water System Planning Resources' webpage (link) includes links to additional resources supporting climate resilience planning.

### Climate Resilience Element: Companion Workbook

- Sections mirror guidebook subsections (A1, A2,...)
- Workbook includes:
  - Approaches to identifying extreme event exposure for water systems
  - 'Template tables' to inventory risks
  - Guidance on incorporating risks to existing water system plans
  - Links to resources and tools to help meet the CRE requirement

### DRAFT Climate Resilience Element (CRE) Workbook

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- General comments, feedback or reflections on the documents?
- How can we improve the usability of workbook? (Ex: change heading names, additional tables, other worksheet ideas)
- Does the document accurately convey flexibility in approaches for water systems to meet the CRE requirement (i.e., this is not a prescriptive approach)?
- What other resources might we consider linking to support meeting the CRE requirement?

### **Questions and Feedback:**

DOH feedback email (odwpubliccomment@doh.wa.gov)
Brad Burnham, DOH ODW (brad.burnham@doh.wa.gov)
John Freitag, DOH ODW (john.freitag@doh.wa.gov)
Anne Thebo, UW Climate Impacts Group (thebo@uw.edu)
Ryan Hasert, UW Climate Impacts Group (rhasert@uw.edu)