












Toolkit

Fill out the Toolkit worksheet questions as you review each of the relevant chapters within the Resource Guide.

Toolkit Questions	Enter Your Responses
Climate science: Chapter 2 and Appendix A	
<p>1. What climate hazards are relevant to your work or project? Use the information about current and future climate change in Chapter 2 (regional summary) and Appendix A (jurisdictional data) to determine relevant climate hazards.</p> <p> For each climate hazard, certain variables may be highly relevant to your service area or project (e.g., number of days above 90°F for worker safety; heating/cooling degree days for facilities; freeze/thaw days for transportation). Review the list of climate variables in Appendix A to identify variables particularly relevant to your work.</p>	<p>Climate hazards</p> <ul style="list-style-type: none"><input type="checkbox"/>  Temperature<input type="checkbox"/>  Precipitation<input type="checkbox"/>  Sea level rise and storm surge<input type="checkbox"/>  Other extreme weather <p>Climate variables</p>

Toolkit Questions	Enter Your Responses	
<p>2. For each of the climate hazards: What are the historical climate conditions? How are the climate conditions changing in your jurisdiction? Use the information about current and future climate change in Chapter 2 (regional summary) and Appendix A (jurisdictional data) to evaluate how the climate hazards are changing.</p> <p> Consider your planning timeframe or asset's useful life when reviewing the projected climate conditions. For example, decisions about maintenance or replacement of facility mechanical components should consider medium-term projections (centered around 2050), while decisions about construction of new long-lived infrastructure should consider long-term projections (end of century and beyond).</p>	<p>Historical climate conditions</p>	<p>Projected climate conditions</p>

Toolkit Questions	Enter Your Responses
Climate impacts: Chapter 3	
<p>3. Given changing climate conditions, what are anticipated impacts to your service area or project? Consider impacts that your service area or project has recently experienced, and use the climate projections from Question 2 along with the information and examples from Chapter 3 to determine projected climate impacts.</p> <p> Which anticipated impacts are priorities to address? Consider prioritizing impacts based on potential damage, disruption of public services, and cost of repair.</p> <p>4. Have climate impacts to your service area or project disproportionately affected vulnerable populations? Review the a) BMC Vulnerable Populations Index, b) Maryland Commission on Climate Change Adaptation and Resiliency Work Group’s Justice, Equity, Diversity, and Inclusion Strategic Framework, and c) information on climate impacts from Chapter 3 to consider the uneven impacts to vulnerable populations who may face elevated climate risks.</p> <p> Are there areas where infrastructure investments could both reduce climate impacts and enhance social equity?</p>	<p>Projected climate impacts</p>
Policies: Chapter 4	
<p>5. Are there state and local policies on climate impacts that affect your work or project? Use the information from Chapter 4 to determine relevant climate policies.</p> <p> Are there policies that would help facilitate climate adaptation measures if approached from a climate perspective? For example, environmental justice policies may help show progress or build support when addressing climate. On the flipside, are there policy or planning barriers that limit your ability to address climate impacts?</p>	

Toolkit Questions	Enter Your Responses
Adaptation options: Chapter 5	
<p>6. Given the projected climate impacts, what are potential adaptation strategies within your service area or for your project, across relevant functions (e.g., design, maintenance)? Use the information and examples from Chapter 5 to begin to identify potential adaptation strategies.</p> <p> What adaptation options are no-regrets (i.e., generate benefits regardless of future climate) and/or could be implemented in the near-term? What adaptation options are no or low cost?</p>	
Funding and financing: Chapter 6	
<p>7. What funding and financing sources are available to help implement the adaptation options? Use the information and examples from Chapter 6 to begin to identify potential funding and financing strategies for adaptation.</p>	
Next steps	
<p>8. What are your next steps to address these climate impacts and plan for these adaptation options?</p> <p> For the selected adaptation strategies, would there be implications to other service areas? Are there other agencies or departments (inside or outside your jurisdiction) your DPW or DOT should coordinate with?</p>	