**Solution Prioritization Action 2 Worksheet: Solution Risk Reduction**

Worksheet Last Updated By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet Last Updated On: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identify How Solutions Reduce Risk

Review the solution list from Action 1 and determine if the solution applies across all hazards and threats (e.g., grouped hazards and threats captured in the Risk Assessment module; for offline users reference **Tab 3A** of the Risk Assessment Excel workbook) or if they apply to dual-impact hazards and threats that have the potential to impact redundant systems (e.g., hazards and threats listed as dual-impact hazards in the Risk Assessment module; for offline users reference in **Tab 3B** of the Risk Assessment Excel workbook). Record if the solution applies to energy resources, water resources, or both. The activities in this worksheet will be used as input for the Solution Prioritization tool (offline users will enter data in **Tab 2** in the Solution Prioritization Excel workbook).

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| **Solution #** | **Solution**  (Describe solution below) | **Hazard and Threat/Scenario Scope**  (Does the solution apply to dual-impact hazards and threats or all?) | **Primary Resources Addressed** (Energy, water, or both) |
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Next, determine if solutions reduce consequence (e.g., captured in the mission duplication capability and initiation time; for offline users this will be found in **Tab 8** of the Risk Assessment Excel workbook) or vulnerability (e.g., captured vulnerability calculations, for offline users this will be found in **Tab 9** of the Risk Assessment Excel workbook) and record how the solution achieves these reductions in the comment fields. The activities in this worksheet will be used as input for the Solution Prioritization Tool (for offline users this will be entered in **Tab 2** in the Solution Prioritization Excel workbook).

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| **Solution #** | **Does Solution Reduce Consequence?**  (Yes/No) | **Consequence Adjustment**  (Describe how consequence is reduced) | **Does Solution Reduce Vulnerability?** (Yes/No) | **Vulnerability Adjustment**  (Describe how vulnerability is reduced) |
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For offline users: The information in the tables above can be used to fill out the yellow outlined section of **Tab 2** of the Solution Prioritization Excel workbook. To determine the potential for risk reduction of each solution, users will be prompted to copy the information from **Tab 2** of the Solution Prioritization Excel workbook into **Tab 7** of the Technical Resilience Navigator (TRN) Risk Assessment Excel workbook. The information captured in the tables above will help users understand how to conduct the “What If?” analysis within the TRN Risk Assessment Excel workbook (**Tabs 8–9**) and to calculate the new risk if these solutions were to be implemented. The risk reduction potential of each solution will be then copied from the red outlined section of **Tab 7** in the Risk Assessment Excel workbook and pasted back into **Tab 2** in the Solution Prioritization Excel workbook. Refer to the **Solution Prioritization Process Flow** **Overview** document for more details.

For online users, enter data as instructed within the online form.