**Solution Development Action 2 Worksheet: Identify Solutions**

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

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

Brainstorming Solutions That Address Similarities in Gaps:

Using the documented similarities between resilience gaps from the **Solution Development Action 1 Worksheet: Analyze Resilience Gaps**, the resilience planning team will first brainstorm solutions that address features that are similar between gaps and document them in the Solutions That Address Gap Similarities table below. Is there an obvious solution that could address any of these similarities and, as a result, resolve multiple gaps? Involve operational staff, critical function owners, technical staff, and subject matter experts to brainstorm solutions.

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| **Solutions That Address Gap Similarities** |
| **Gap Similarity** | **Resilience Gaps Included** | **Solution to Address Similarities Between Resilience Gaps** |
| *Facility co-location of two energy gaps* | *1) Kiwi Building Data Center plug load lack of redundant system outage tolerance. 2) Kiwi Building Germplasm storage lack of redundant system outage tolerance*  | *Additional onsite fuel storage supply with refuel plan OR fuel supply contract and refuel plan* |
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Brainstorming Solutions by Category:

The resilience planning team should now reference all gaps from **Solution Development Action 1 Worksheet: Analyze Resilience Gaps**. Using the refined gap description, consider the type of gap and resilience attributes impacted to brainstorm solutions in the appropriate category. Record these solutions in the table below.

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| **Solutions to Individual Gaps** |
| **Refined Gap Description** | **Solution** | **Type of Solution** | **Resilience Attributes Impacted** |
|   |   | **Technological** | **Operational** | **Institutional** | **Redundant** | **Robust** | **Resourceful** | **Recovery** |
|  *Critical mission Tropical Fruit Research does not meet organizational requirement to be able to sustain critical missions’ energy and water needs for a minimum of 1 week. The redundant system diesel generator that supports the critical load and function required for tropical fruit research does not have enough fuel supply for a week outage, due to an inadequate onsite fuel storage. This gap affects fruit researchers and analysts in the Kiwi Building Data Center and should be resolved in the short term (1-6 months).*  |  *Additional onsite fuel storage supply with refuel plan* | X | X |  | X |  | X | X |
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