**Baseline Development Action 3 Worksheet: Redundant System Conditions**

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

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

Document Redundant Systems

Use the tables below to document the key pieces of information needed for the Risk Assessment module. Use the first table to characterize the first or primary redundant systems. Use the second table only if the load has a second redundant system. An example might be a critical load with a UPS and a generator or a microgrid with CHP and a redundant generator for added protection.

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| **First Redundant Systems** |
| **Critical Function** | **Facility**  | **Critical Load Supported** | **Redundant Source Description**  | **Redundant System Capacity** | **Design for Realized Hazards and Threats of Concern?** | **Automatic vs. Manual Start-Up**  | **Maintenance**  | **Personnel Training**  |
| *Data processing*  | *Intelligence Analysis Building* | *Power HVAC, server plug load, and emergency lighting* | *Diesel generator with onsite fuel storage RPUID123* | *400 kW**1,000 gallons fuel storage* | *Raised platform for flood risk; protected from winds/debris* | *Manual with 5-min UPS* | *No written or documented maintenance procedures in place, no testing is performed* | *No training in place* |
|  | *Main Administration Building* | *Water for data center chillers*  | *Water storage tanks RPUID234* | *21,000 gallons water storage capacity* |  | *Manual valve operation* | *Written and documented procedures in place, testing is performed* | *No training in place* |
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| **Critical Function** | **Facility**  | **Critical Load Supported** | **Redundant Source Description**  | **Redundant System Capacity** | **Design for Realized Hazards and Threats of Concern?** | **Automatic vs. Manual Start-Up**  | **Maintenance**  | **Personnel Training**  |
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| **Second Redundant Systems** |
| **Critical Function** | **Facility** | **Critical Load Supported** | **First Redundant System Supported** (from table above) | **Redundant Source Description** | **Redundant System Capacity** | **Automatic vs. Manual Start-Up** | **Maintenance** | **Personnel Training** |
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