**Date last modified/updated:** Click here to enter a date. **Internal audit:** Click here to enter a date.

**Who last modified/updated:** Click here to enter text. **Management review:** Click here to enter a date.

**This part of the Navigator Playbook is completed when you have:**

1. **Identified the energy uses that consume the most energy within your boundaries.**
2. **Identified factors and persons that affect the energy consumption of identified energy uses.**
3. **Established selection criteria for identifying which of these energy uses should be a significant energy use (SEU).**
4. **Determine SEU energy performance based upon energy consumption and relevant variables as appropriate.**
5. **Review the SEU selection criteria as part of the SEU update process.**

**This document is an example of how to complete Playbook Task 9. All blue text should be replaced with your organization’s information, assessments, and/or decisions.**

1. Identify the energy uses that consume the most energy within your boundaries.
2. Identify factors and persons that affect the energy consumption of identified energy uses.

☒ Complete columns 3 and 4 in the Energy Use table in the 50001 Ready Navigator Playbook Worksheet 8 -Energy Data Collection and Analysis.

1. Establish selection criteria for identifying which of these energy uses should be a significant energy use (SEU).

☒ We have established criteria for determining SEUs.

Detail criteria below:

|  |
| --- |
| Data centers generally have three systems that consume nearly 100% of the total energy: IT equipment (servers, storage, and network), the HVAC system (chillers, AHUs, and pumps), and the electrical system (transformers, UPSs, and PDUs). Consequently, we have selected these three as significant energy users (SEUs). |

☒ We have established methods for determining SEUs

Detail methods below:

|  |
| --- |
| Energy consumption data from site metering, including DCIM data, confirmed our selection of SEUs. |

☒ SEUs have been identified, along with current performance and associated responsible personnel

☒ We have identified and listed these relevant variables in the table below:

1. Determine SEU energy performance based upon energy consumption and relevant variables as appropriate.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SEU Name** | **Criteria for Selection** | **Relevant Variable(s)** | **Current Energy Performance** | **Projected Energy Consumption** | **Personnel responsible** |
| IT Equipment (servers, storage, and network) | Generally, represents around 60% of site-wide electricity use, resulting in a PUE of 1.67 | IT equipment load | 12,000,000 kWh/yr | 9,000,000 kWh/yr | IT operations |
| HVAC System (chillers, AHUs, and pumps) | Generally, represents around 30% of site-wide electricity use. | Type of HVAC system | 6,000,000 kWh/yr | 3,000,000 kWh/yr | Facilities Engineering |
| Electrical System (transformers, UPSs, and PDUs) | Generally, represents around 10% of site-wide electricity use. | Type of electrical system | 2,000,000 kWh/yr | 1,500,000 kWh/yr | Facilities Engineering |

|  |  |  |
| --- | --- | --- |
| ☒ | Date entered: | 6/15/23 |
| ☒ | Who entered: | Director of Engineering |
| ☒ | Who reviewed: | Asst. General Manager |

1. Review the SEU selection criteria as part of the SEU update process.

☒ We have established a procedure for continually reviewing relevant variables at regularly scheduled intervals, along with responsible personnel.

☒ Developed a system for monitoring the performance of SEUs

☒ Assigned roles and responsibilities for monitoring SEUs

☒ Established a regular schedule for monitoring SEUs

Top Management Approval

|  |  |  |
| --- | --- | --- |
| ☒ | Date approved: | 6/30/23 |
| ☒ | Who approved: | General Manager |

Comments

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