**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. **Created a significant energy use operating criteria worksheet and operational controls checklist to determine and set the required criteria and controls for each significant energy use.**
2. **Ensured critical factors affecting energy performance are known, communicated to responsible personnel.**
3. **Ensured that the operational and maintenance control sections of your action plans have been completed and implemented.**
4. **Operated and maintained facilities, equipment, systems, or processes associated with your SEUs to meet the determined criteria.**
5. **Established processes to control planned changes impacting operational and maintenance criteria or controls.**
6. **Controlled outsourced SEUs or processes related to SEUs.**
7. Create a significant energy use operating criteria worksheet and operational controls checklist to determine and set the required criteria and controls for each significant energy use.

Operational Controls and Maintenance Criteria

|  |  |  |
| --- | --- | --- |
| [ ]  | We have developed and implemented operating and maintenance criteria for our facility, equipment, systems, and processes to ensure SEUs are operated within identified criteria for effective energy performance. | By creating SEU task forces we established cross-functional teams to develop appropriate criteria.  |

1. Ensure critical factors affecting energy performance are known, communicated to responsible personnel.

|  |  |  |
| --- | --- | --- |
| [ ]  | Information on the operational controls associated with SEUs have been communicated to the appropriate personnel. | We include this information in competency trainings and assessments |

1. Ensure that the operational and maintenance control sections of your action plans have been completed and implemented.

Operational and maintenance controls are implemented

[ ]  Operational and maintenance controls have been determined for each SEU and are detailed below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Significant Energy Use | Operating Criteria  | Maintenance Criteria | Controls | Required Maintenance Frequency | Responsible Person(s) |
|      wet lab |       maintain 60-degree lab space in winter and 70 in summer in active lab space |      clear filters and ventilation system; test ambient temperature sensor; |      automating lab space temperature with schedule and existing building automation system |      semi-annual |      wet lab a maintenance technician |
|      SEM |      run for at most 20 minutes per session;  |      clean and test vacuum chamber using self-cleaning and reset settings |       |      quarterly |      lab manager |
|      Data Center |      optimized air and fluid flow conditions |      assess air management efficacy and power density and load factor using center of expertise in efficient data centers materials |      set optimized cooling standards and do not alter |      annual |      data center technician team |
|       |       |       |       |       |       |
|       |       |       |       |       |       |
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1. Operate and maintain facilities, equipment, systems, or processes associated with your SEUs to meet the determined criteria.

Meeting operational and maintenance criteria

|  |  |  |
| --- | --- | --- |
| [ ]  | We meet determined criteria for operating and maintaining our facilities, equipment, systems, or processes associated with our SEUs. | Facility managers ensure that SEU are used and maintained per criteria determined by the team.  |

1. Establish processes to control planned changes impacting operational and maintenance criteria or controls.

Processes to control planned changes

|  |  |  |
| --- | --- | --- |
| [ ]  | We have established processes to control any planned changes that may impact operational and maintenance criteria or controls. | We coordinate with site design team to check if any changes impact SEUs with semi-annual meetings, and determine if any controls will be impacted.  |

1. Control outsourced SEUs or processes related to SEUs.

Outsourced SEU control

|  |  |  |
| --- | --- | --- |
| [ ]  | We have determined the existence of any outsourced SEUs or processes related to SEUs and put measures in place to controls these SEUs or processes related to our SEUs. | We have coordinated trainings and controls with the maintenance technicians service procurement and management team. |
| [ ]  | Roles and responsibilities for ensuring SEUs are operated and maintained using the established controls have been detailed and communicated to relevant personnel. | Non-contracted staff hold all responsibilities, and contracted parties are aware of their roles. These are included in contract language and verification requirements.  |

Top Management Approval

|  |  |  |
| --- | --- | --- |
| [ ]  | Date approved: | Click here to enter a date. |
| [ ]  | Who approved: | Click here to enter text. |

Comments

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