

# Statement of Work

## Infrastructure Services Division

**SOW DATE:** 8/14/2026

**PROJECT TITLE:** Cleaning of Science Computing Division Data Centers at Feynman Computing Center, Grid Computing Center and Wilson Hall Fiber Central Room 805, Batavia, Illinois

**Revision:** 01

**PROJECT:** 60

**TASK:** 60.03.25.33

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**COUNTY THAT WORK WILL BE COMPLETED IN:** DuPage☒ Kane☐ [Fermilab County Line](#)

### INTRODUCTION

This Statement of Work (SOW) defines requirements for data center cleaning services supporting Science Computing Division (SCD) operations. Services will be scheduled and coordinated with Data Center Operations (DCO) to support maintenance of controlled computing environments.

### SCOPE OF WORK

The Subcontractor shall provide semi-annual cleaning services for data center environments at the Feynman Computing Center (FCC), Grid Computer Center (GCC), including above-floor cleaning during each service visit and below-raised-floor (underfloor plenum) cleaning once annually. Wilson Hall Room 805 (Fiber Central) shall receive one (1) annual cleaning service under this SOW.

**Square Footage:** The approximate square footage of the areas included in the cleaning services is provided below. The attached maps identify the specific areas to be serviced.

| Building                          | Total Above-Floor Square Footage | Under-Floor Square Footage |
|-----------------------------------|----------------------------------|----------------------------|
| Feynman Computing Center (FCC)1   | 2,890                            |                            |
| Feynman Computing Center (FCC)2   | 10,283                           |                            |
| Feynman Computing Center (FCC)3W  | 2,868                            |                            |
| Grid Computing Center             | 14,963                           | 9,203.00                   |
| Wilson Hall 8 Fiber Central (WH8) | 779                              |                            |
| <b>Total</b>                      | <b>31,783</b>                    | <b>9,203</b>               |
| <b>Total Square Footage</b>       |                                  | <b>40,986</b>              |

The Subcontractor shall furnish all labor, supervision, equipment, tools, cleaning materials and supplies necessary to perform the required services.

Services shall include, at a minimum:

#### Underfloor Plenum Cleaning (Annual)

- High-Efficiency Particulate Air (HEPA) vacuum accessible raised floor surfaces prior to removing floor tiles.

- Remove accessible raised floor tiles as necessary to perform underfloor cleaning while maintaining equipment cooling, structural integrity of the floor system and personnel safety.
- Remove loose debris and contaminants from the underfloor plenum.
- HEPA vacuums the subfloor slab to remove accumulated dust and particulate.
- Clean accessible floor stringers, pedestal heads and large mechanical components within the underfloor plenum.
- Clean perforated floor tiles and return all floor tiles to their original locations upon completion of the work.
- Exercise care to prevent disruption of data cabling, electrical connections, sensors, detectors and other critical infrastructure.
- Hardware devices and equipment shall not be moved to gain access to inaccessible floor tiles.
- During underfloor cleaning, no more than two (2) contiguous floor tiles shall be open at any one time, and no more than six (6) floor tiles in a room shall be open at any one time. Work areas shall be appropriately barricaded or otherwise controlled while floor tiles are removed.
- Upon request, provide a report identifying notable observations or conditions within the underfloor plenum that may require attention.
- All perforated or vented floor tiles shall be returned to their original location upon completion of the work.

#### Above-Floor Cleaning (Semi-Annual)

- HEPA vacuum all accessible raised and non-raised floor surfaces, including accessible areas beneath equipment.
- Damp mop floor surfaces using cleaning methods appropriate for sensitive electronic environments while minimizing the introduction of moisture.
- Remove embedded dirt, contaminants, and scuff marks from accessible floor surfaces as needed using low-speed cleaning equipment suitable for the flooring material.
- Clean flooring in accordance with the applicable floor type, including raised access flooring, sealed concrete, static dissipative flooring, vinyl composition tile (VCT) and carpeted areas, as applicable.
- Any stripping, floor finishing, floor restorer, anti-static treatment or other chemical treatment of flooring shall be performed only with prior approval from DCO and shall be compatible with the applicable flooring system.

#### Equipment and Environmental Surface Cleaning

Clean accessible exterior surfaces using HEPA vacuuming, damp wiping, and spot cleaning methods appropriate for operational data centers, including:

- Information Technology (IT) rack enclosures, equipment cabinets and stand-alone equipment. Cabinet doors shall not be opened.
  - Exterior surfaces of support equipment, including cooling units, power distribution equipment and similar infrastructure.
  - Cold aisle containment end-of-row doors and other accessible containment surfaces.
  - Tables, storage cabinets, monitors and other furnishings located within the data center environment. Keyboards and other user input devices are excluded.
  - Interior windows, windowsills, wall-mounted equipment and other accessible infrastructure surfaces.
  - Accessible overhead cable trays during the annual underfloor cleaning service.
  - Accessible exterior surfaces of additional data center infrastructure and equipment as directed by DCO.
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## General Requirements

The Subcontractor shall perform all work using HEPA-filtered equipment and cleaning methods suitable for mission-critical computing environments. Cleaning activities shall:

- Maintain the environmental integrity of the data center.
- Protect sensitive electronic equipment from contamination, moisture, and electrostatic discharge.
- Minimize the introduction of dust, lint, fiber and cleaning residues.
- Be coordinated with ~~Data Center Operations (DCO)~~.
- Be performed without interrupting normal ~~data center operations-DCO~~ or adversely affecting computing equipment.
- Leave all cleaned areas free of dust, debris and visible contaminants upon completion of each service.
- Exercise care when working around network racks, tape libraries, electrical panels, circuit breakers, Uninterruptible Power Supplies (UPS)/battery systems, data cabling, wiring, sensors, detectors and other critical infrastructure.
- The Subcontractor shall not touch, disconnect, move, reset or otherwise disturb critical equipment or infrastructure unless specifically authorized by DCO.
- Immediately notify DCO of any condition or incident that could affect data center operations, equipment, facility systems or personnel safety, including dislodged or disconnected cables, damaged raised-floor components, tripped circuit breakers, equipment interruptions, accidental equipment shutdowns or resets, excessive moisture, or activation of leak detection systems.
- Coordinate with DCO prior to underfloor cleaning regarding any required temporary disablement or other protective measures for underfloor smoke detection systems. The Subcontractor shall not independently disable, disconnect or alter fire detection, smoke detection, leak detection, electrical or other building safety systems.
- Obtain prior approval from DCO before using chemicals, solvents, floor treatments or other cleaning agents requiring specific authorization. Safety Data Sheets (SDS) shall be provided upon request or as required by Fermilab.
- Provide appropriate personal protective equipment (PPE) and all tools and equipment necessary to safely perform the work, including ladders, extension poles, step stools and other access equipment. Personnel shall not stand on railings, desks, furniture, equipment or other unsuitable surfaces to access elevated areas.
- Use appropriate safety cones, signs, barricades, ropes or other warning devices to identify work areas and protect building occupants, personnel and pedestrians from hazards associated with cleaning activities.

## SCHEDULING AND SERVICE REQUIREMENTS

The semi-annual cleaning services shall generally be scheduled during one (1) Spring and one (1) Autumn service period. Specific service dates shall be mutually agreed upon by the Subcontractor and DCO at least three (3) weeks in advance.

Fermilab's preferred service hours are 7:00 A.M. to 3:30 P.M., Monday through Friday. Services performed outside these hours shall require prior approval from DCO.

The Subcontractor shall provide sufficient personnel and resources to complete scheduled cleaning activities within five (5) consecutive business days, Monday through Friday, unless otherwise approved by DCO.

Once cleaning activities begin, the Subcontractor shall proceed without unnecessary interruption, postponement or stoppage until the scheduled work is completed.

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## **SAFETY, TRAINING AND ACCESS REQUIREMENTS**

The Subcontractor shall comply with all applicable Fermilab site access, identification, security, badging and escort requirements.

All Subcontractor personnel performing work onsite shall complete applicable Fermilab safety and data center-specific training required by DCO before performing work in the data center facilities.

When required by DCO or applicable Fermilab safety requirements, the Subcontractor shall prepare and submit a Job-Specific Hazard Analysis (JHA), Method of Procedure (MOP), Standard Operating Procedure (SOP), or other required work documentation for review and approval prior to performing the applicable work.

The Subcontractor shall coordinate with DCO to obtain access to locked or secured areas and shall not independently move equipment or materials that obstruct the work area without DCO approval.

## **PLACE OF PERFORMANCE**

Fermi National Accelerator Laboratory (Fermilab), Feynman Computing Center (FCC), Grid Computing Center (GCC) and Wilson Hall Room 805 (Fiber Central) in Batavia, Illinois.

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