

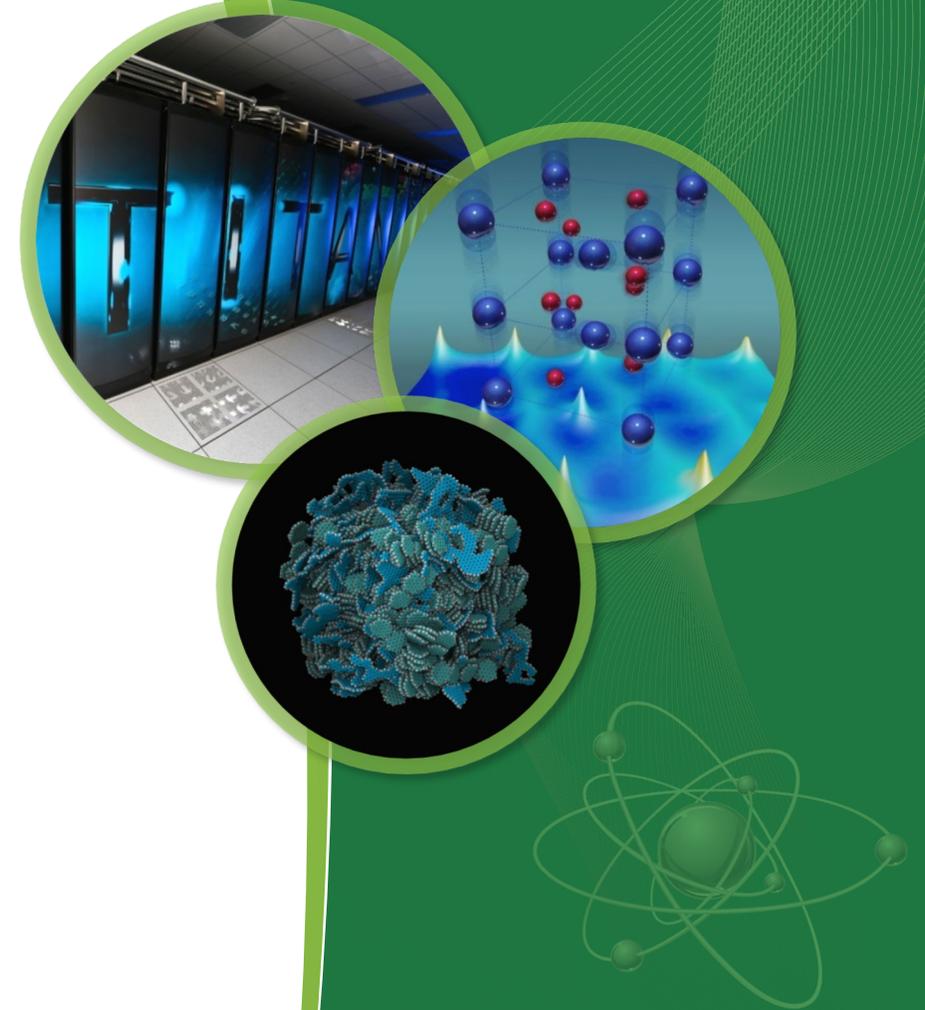
How To Work At ORNL

Construction 101

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6007/6008 Shop and Change House Modifications



Award
in 2022

Repurpose Buildings 6007 and 6008

Built 1984 / 11,749 SQFT

Scope:

For Building 6007 this project will include:

- 4,260 SQFT
- Demolition of most interior walls
- Removing the hardwood flooring and kitchenette
- Bringing the facility into code compliance – including new fire protection
- Expanding current restrooms into change and locker rooms
- Converting hotel rooms to open space for craft work benches
- Converting lobby area to computer workstations
- Upgrading HVAC, plumbing, and electrical systems

For Building 6008 this project will include:

- 7,489 SQFT
- Remodeling Rm 133 into craft workbench space and storage
- Remodeling the addition into a workshop
- Adding a loading dock
- Converting Rm 125 into a 2-office suite
- Converting Rms 121 and 123 into a conference/break room

Roof Replacements



Award
2022

Replace Roofs on Multiple Buildings

FY 20/21: 114,347 SQFT (Total)

Building 8610: 23,000 SQFT

Building 1005: 36,693 SQFT

Building 4500N: 20,362 SQFT

Building 2519: 8,489 SQFT

Building 7917: 7,203 SQFT

Building 5800: 18,600

FY22: 4 to 6 buildings (SF TBD)

FY23 : 4 to 6 buildings (SF TBD)

FY24: 4 to 6 buildings (SF TBD)

FY25: 4 to 6 buildings (SF TBD)

Paving



Award
2022

FY20 – 16,649 SQYD

FY21 – 21,789 SQYD

FY22 – SQYD TBD

FY23 – SQYD TBD

FY24 – SQYD TBD

FY25 – SQYD TBD

Biomass Storage Facility Conditioning



Award
2022

West Campus – 2000 Area - Building 2719A

Built 2012 /6,087 SQFT

- Design and construct space within 2719A suitable to consolidate power operations
- Remove the north mezzanine to accommodate installation of an overhead door and jib crane to aid in material handling and unloading into the new facility
- Install appropriate HVAC equipment (supply fan(s), condensing units, ductwork, etc.), fire sprinkler systems, waterproofing upgrades to building envelop, electrical and mechanical infrastructure (transformer, panels, wiring/power distribution, lighting, communications, fire alarms, security, water line extension, etc.)
- Make the necessary repairs to building envelope roof and wall systems to improve resistance to rainwater intrusion
- Provide any necessary external utility service extensions and connections required to support the building loads (power, potable water, sanitary sewer, etc.)

Training Facility



Award
2022 - 2023

West Campus – 1000 Area

- Design and Construct a new ~9,100 sf Multi-Purpose High Bay Facility including:
 - Re-Instate Riparian Zone presently used as gravel laydown space
 - Facility Pad Site Development with provisions for Truck, Vehicle & Pedestrian access
 - Perform tie-in to existing Utilities Infrastructure
 - Provide space for ESHQ Practical Evaluation & Training (3500 sf)
 - Offices, Classroom, Hands-On Demonstration Area & Equipment (e.g., 5-ton Overhead Crane)
 - Provide space for Research High Bay (5600 sf)
 - Flexible Multi-Purpose Space ready for Tennant Fit-Out

Building 4501 Ventilation Mods



Award
2022

4501 (Rad Facility)

Built 1951

- Provide for a higher stack release height
- Increase effluent velocity at the release point
- Provide for sufficient make-up air to prevent adverse negative pressure inside the facility hot cells
- Add a new air monitoring system for the stack nearer to the exit point of the stack
- Provide for generator back-up and a UPS for the new air monitor.

AML Addition



Award
2022

3625

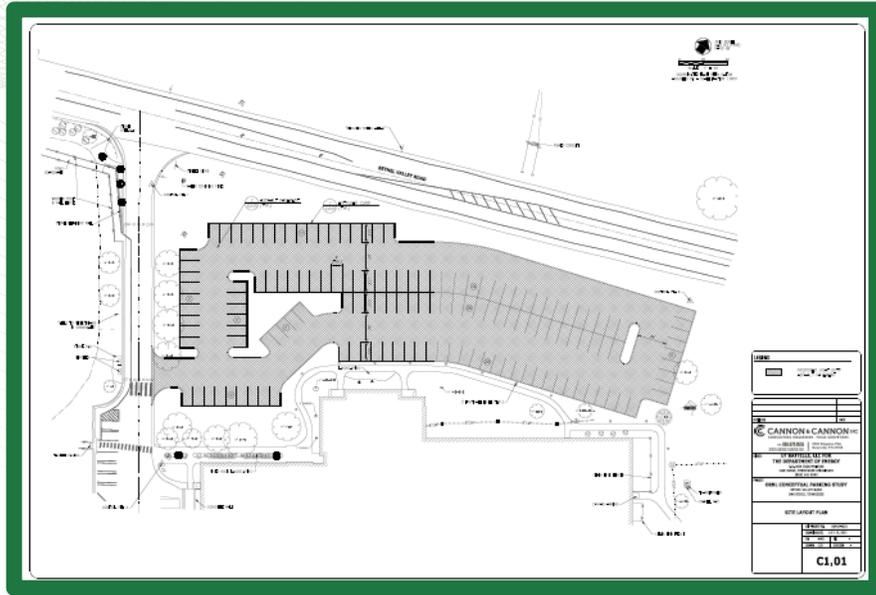
Built 2004 / 13,012 SQFT

Design an approximately 2,000 - 3,000 gross square foot, one to two bay expansion adjoining the south side of Building 3625 using the existing AML design with modifications to boost the environmental stability as high as reasonably achievable to accommodate the next generation of aberration corrected electron microscopes.

Goals for the environmental stability associated with the instrument rooms include:

- Vibration Criterion
- Acoustic Noise Criterion

6000 Area Parking Lot



Award
2022

- Construct a paved, surface parking lot near Building 6000 to accommodate approximately 140 passenger vehicles

High Bay Facility

Award
2022

6000 Area

- 12,000 SQFT new facility
- Combination high-bay, labs, and offices
- Caisson/grade beam foundations
- Structural steel framing
- Single ply roof membrane
- No windows
- Exterior EIFS
- Sheetrock interior walls
- Sealed concrete floors

Production and Research Center

Award
Fall of 2023

6000 Area

- 55,000 SQFT new facility
- Site Clearing – No Hazardous material
- All disciplines for Big Box type construction (Civil, Struct, MEP, FP, Fire Alarm, etc.)
- Clean Room / Labs / Control / Server Rooms
- Mech / Elec (Utility rooms)
- Locker room, restrooms, offices

Current market issues

LOTS of work going on in the Oak Ridge area

- suppliers don't have capacity to bid on jobs
- Key personnel stretched too thin

Risks associated with volatile material pricing

- Suppliers worried about submitting fixed price proposals



HOW TO REGISTER AS AN ORNL VENDOR

Step 1 – General Company Information

- <http://ornl.sourcing.ariba.com/ad/selfRegistration>
- Approval required to received Solicitations

Step 2 – Supplier Registration Questionnaire

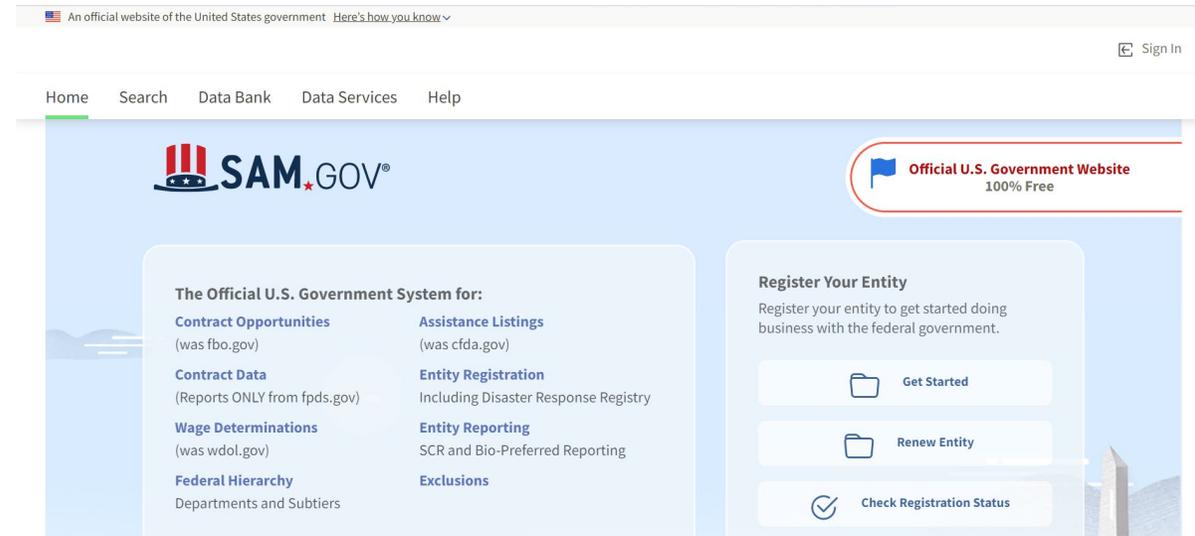
- Requires an invitation after Step 1 is completed/approved
- Approval required to receive awards

Step 3 – Construction Questionnaire

- Requires an invitation after Step 2 is completed/approved
- This is required for everyone, including pre-approved vendors

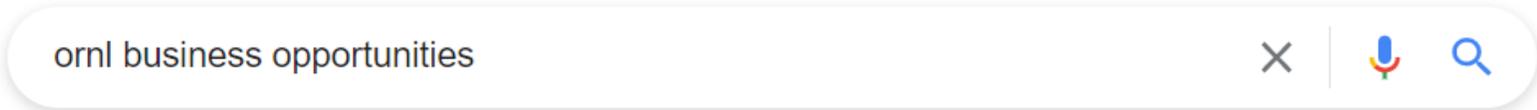
Tips for quicker registration:

1. Ensure your information matches D&B
2. Register on SAM.gov (it is free)



WHERE TO FIND UPCOMING WORK

- Opportunities over \$150k are posted online
 - Google ORNL Business Opportunities



[All](#) [News](#) [Images](#) [Maps](#) [Shopping](#) [More](#) [Tools](#)

About 721,000 results (0.59 seconds)

<https://smallbusiness.ornl.gov/business-opportunities>

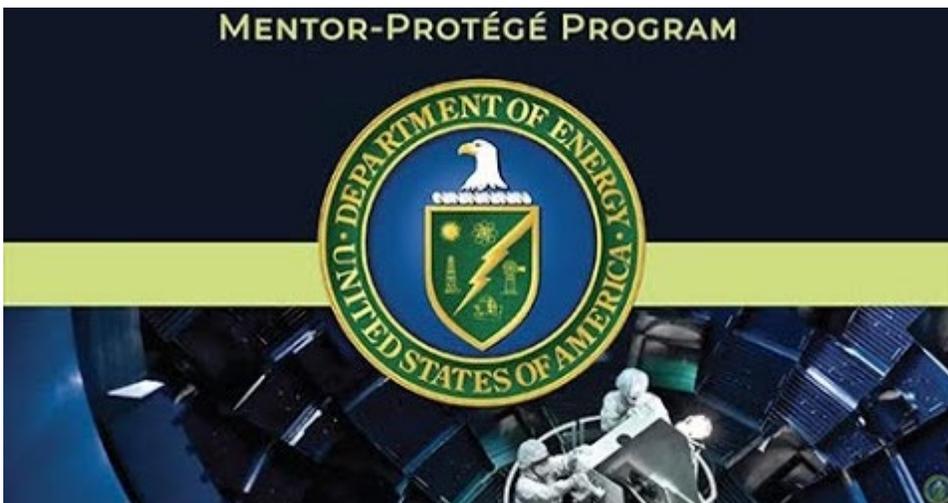
ORNL Business Opportunities | Small Business Programs Office

Category	Description	Small Business Set-Asi...	Estimated Value
Construction	Sewage Treatment Pla...	No	\$10M
Fabrication and Machin...	Structural Steel to Supp...	No	<\$250K
Research & Developm...	Permeator (PM) Prototy...	No	<\$1M

[View 12 more rows](#)

NON-COMPETITIVE AWARDS

- ORNL Protégé's and other Protégé's of other DOE Contractors
- Certified participants in the SBA 8(a) program (\$4M limit)
- Service-Disabled Veteran-Owned Small Businesses (\$3.5M limit)



U.S. Small Business
Administration

REQUEST FOR PROPOSAL / SOLICITATION

- All Solicitations and Correspondence are in Ariba
- Messages come from Ariba
 - Check spam filter
 - Comes from no-reply@ansmtp.ariba.com

ORNL Buy

Console Doc199551341 - Construction of the Craft Resource Support Fa... Time remaining 16 days 06:36:34

Event Messages
Response History

▼ Checklist

1. Review Event Details
2. Review and Accept Prerequisites
3. Select Lots
4. Submit Response

All Content

Name ↑	Price	Quantity	Extended Price
▼ 1 Introduction			
1.1 Company Information			
<p>Oak Ridge National Laboratory (ORNL) is the largest US Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security. ORNL is managed and operated by UT-Battelle, LLC (the Company).</p> <p>ORNL's diverse capabilities span a broad range of scientific and engineering disciplines, enabling the Laboratory to explore fundamental science challenges and to carry out the research needed to accelerate the delivery of solutions to the marketplace. ORNL supports DOE's national missions of:</p> <ul style="list-style-type: none">• Scientific discovery—We assemble teams of experts from diverse backgrounds, equip them with powerful instruments and research facilities			

UNIQUE ASPECTS OF WORKING AT ORNL

- Safety Requirements (must be qualified to perform work)
- Requirement to become signatory to the [Construction Labor Agreement](#) (CLA)
- Minimum Wage Requirements (Davis Bacon) & Certified Payroll (LCP Tracker)
- Payment (\$25k) and Performance Bonds (\$150k)
- Minimum Insurance Requirements ([Insurance Form 2](#))
- Direct-pay tax permit
 - Sales/Use tax shouldn't be added to labor, installation, or non-material costs

HOW WE SELECT OFFERORS

- Lowest Price Technically Acceptable (LPTA)
 - Typically have a minimum set of qualifications (Pass/Fail)
 - Lowest bid of those meeting qualifications is selected for award
 - Reserved for less complex projects

- Technical Evaluation or Best Value
 - Minimum qualifications
 - Identified evaluation factors
 - Color graded scheme (Blue, Green, Yellow, Red)
 - Evaluation team
 - Price typically an evaluation factor, but less important

TECHNICAL PROJECT OFFICER – R&R

- TPO Role – Manage Technical Aspects of A Procurement: SOW, Inspection, Reviews, Evaluations, Etc.
- What they cannot do – make cardinal changes, commit funding >\$10k

