Welcome to LANL's Virtual Subcontractor Forum
We will begin shortly!
LANL Subcontractor Forum
April 22, 2021 (Earth Day)
1:00 p.m. – 3:00 p.m.

Agenda

Forum Logistics – Julianna Barbee – 2 min.
Welcome and Opening Remarks – Warren Finch – 2 min.
Sustainable Acquisition at LANL – Kassidy Boorman – 30 min.
Contractor Security Awareness – Steve Maestas – 15 min.
Capital Projects Update – Susan Stein - 20 min.
Managed Category for Construction (MCC) Update – Brad Westergren – 10 min.
Procurement Transformation Update – Linda Jones – 10 min.
Small Business Update – Yvonne Gonzales – 10 min.
Closing remarks – 5 min.
Welcome and opening remarks

Warren Finch
Deputy Division Director & Small Business Program Manager
Acquisitions Services Management
Sustainable Acquisition at LANL – An Overview for Subcontractors and Vendors

Kassidy Boorman
Pollution Prevention Program

April 22, 2021

LA-UR-21-23732
Agenda

• Safety Share
• In the Spirit of Earth Day – Responsible Purchasing as an Individual
• Sustainable Acquisition at LANL
Safety Share
Safety Share – Wildfire Prevention

Current U.S. Drought Monitor Conditions for New Mexico

The U.S. Drought Monitor (USDM) is updated each Thursday to show the location and intensity of drought across the country. This map shows drought conditions across New Mexico using a five-category system, from Abnormally Dry (D0) conditions to Exceptional Drought (D4). The USDM is a joint effort of the National Drought Mitigation Center, USDA, and NDAA. Learn more.

The following state-specific drought impacts were compiled by the National Drought Mitigation Center. While these impacts are not exhaustive, they can help provide a clearer picture of drought in New Mexico.

- **D0 - Abnormally Dry**
  - Soil moisture is low
  - Fire danger increases
  - 100% of NM

- **D1 - Moderate Drought**
  - Livestock need supplemental feed and water
  - Burn bans and firework restrictions begin
  - 100.0% of NM

- **D2 - Severe Drought**
  - Pasture yield is limited; producers sell livestock
  - Irrigated crops are stunted; dryland crops are brown
  - Dust storms occur
  - 99.4% of NM

- **D3 - Extreme Drought**
  - Livestock are suffering; producers are selling herds; feed costs are high; emergency CERP grazing is authorized; crop yields are low
  - Fire danger is extreme
  - Irrigation allotments decrease
  - 79.9% of NM

- **D4 - Exceptional Drought**
  - Federal lands begin to close for fire precautions; burn bans increase
  - Bears encroach on developed areas; migratory birds change patterns
  - No surface water is left for agriculture, farmers use private wells
  - 53.5% of NM

Source(s): NDMC, NOAA, USDA

Updates Weekly - 04/13/21

Source: https://www.drought.gov/states/new-mexico
Safety Share – Wildfire Prevention

• Be mindful of any open flame activities such as campfires and trash fires
  – Check local fire restrictions
  – Drown all fires
  – Dispose of hot coals and ash properly

• Keep firefighting tools handy

• Exercise wildfire mitigation activities on your property
  – Thin trees and vegetation
  – Defensible space around all outbuildings
Happy Earth Day!

A general overview of responsible purchasing and how we can do better as consumers
As an individual consumer...

- Everything we buy has an environmental and/or human health impact.
  - Resource mining
  - Manufacturing
  - Use
  - Disposal

- What can we do in our personal and professional lives to reduce this impact?

  Step one? Be informed.
Resource Mining/Manufacturing

Shigual, China, 20
December 2010: Cross-section of coal, earth and top-soil on the edge on one of China's largest coal mines, that supplies fuel to run the nearby rare earth plants.

Photograph: Toby Smith/Unknown Fields

Resource Mining/Refining

Bayan Obo, China, 21 December 2010: A worker steams crystals from an industrial scale precipitator in a stage 1 rare earth refinery. The crystals contain an elevated concentration of rare earth oxides that are then further refined before a usable concentration is achieved.

Photograph: Toby Smith/Unknown Fields

Resource Mining/Refining

Baotou, China, 3 August 2014: A toxic lake of mine and refinery tailings stretches for over 6km from Baogang Iron and Steel Corporation. One tonne of rare earth produces 75 tonnes of acidic waste water, a cocktail of acids, heavy metals, carcinogens and radioactive material at three times background radiation.

Photograph: Toby Smith/Unknown Fields

Manufacturing

Source: Personal picture from LANL employee
Step 2: Things you can do (easy difficulty level)

• Buy quality – pay more up front for products that last longer (it will save you money too!)

• Buy used – privately or from companies that sell their products used
  – Example: Patagonia Worn Wear

• Buy less and replace less when able, particularly with electronics or other goods requiring rare earth metals
  – Recycling also has a large environmental and human health impact
So, how do I do better as a consumer (harder difficulty level)?

• Stay informed and try to track down the source of your products where you can
  – An example of a resource for clothing: https://goodonyou.eco/

• Ask companies about factory workers

• Research certification standards and purchase accordingly

Don’t get discouraged, you can’t fix everything at once, just do the best you can…
Sustainable Acquisition at Los Alamos National Laboratory
Sustainable Acquisition – Federal Government Overall

“The U.S. federal government is the single largest purchaser in the world spending more than $550 billion on products and services each year and, in leading by example, has the power to catalyze a more sustainable marketplace for all - reducing climate impacts, improving the health of frontline communities, preventing pollution, and increasing U.S. industry competitiveness.” –USEPA

Source: https://www.epa.gov/greenerproducts/recommendations-specifications-standards-and-ecolabels-federal-purchasing
Multiple acts of Congress require the Federal Government to use its purchasing power to reduce the negative effects on the environment and promote sustainability and energy efficiency. As with all agencies there are many environmental, energy, transportation and economic considerations affecting the acquisition process at the Department of Energy (DOE). Federal agencies are required to give preference to products that are energy efficient, water efficient, and made from biobased or recycled content.

Source: https://www.energy.gov/ehss/sustainable-acquisition
Sustainable Acquisition – LANL Prime Contract

970.5223-7 Sustainable Acquisition Program (OCT 2010)

(a) Pursuant to Executive Order 13423, Strengthening Federal Environmental, Energy and Transportation Management, and Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance, the Department of Energy (DOE) is committed to managing its facilities in an environmentally preferable and sustainable manner that will promote the natural environment and protect the health and wellbeing of its Federal employees and contractor service providers. In the performance of work under this contract, the Contractor shall provide its services in a manner that promotes the natural environment, reduces greenhouse gas emissions and protects the health and wellbeing of Federal employees, contract service providers and visitors using the facility.

52.223-2 Affirmative Procurement of Biobased Products under Service and Construction Contracts (Sep 2013)

(a) In the performance of this contract, the contractor shall make maximum use of biobased products that are United States Department of Agriculture (USDA)-designated items unless—

(1) The product cannot be acquired—

   (i) Competitively within a time frame providing for compliance with the contract performance schedule;

   (ii) Meeting contract performance requirements; or

   (iii) At a reasonable price.
What qualifies as a sustainable product for LANL?

- A product certified to one or more standards such as:
  - USDA Certified Biobased Product
  - Energy Star
  - EPEAT
  - Water Sense
  - GREENGUARD
  - Green Seal
  - Etc.

Recommended Standards and Ecolabels
How our subcontractors and vendors can help:

• LANL follows sustainable acquisition requirements, do subcontractors?  
  – Yes!

• Can vendors help LANL supply sustainable products to LANL staff?  
  – Yes, yes, a thousand times yes!
But, who has the time to find sustainable products?

Never fear! It’s getting much easier!

• There is now a free online tool, updated monthly, to search products with at least one sustainable standard or ecolabel that meets federal requirements:

https://sftool.ecomedes.com/
Example 1: A subcontractor construction company needing insulation
Example 2: Vendor supplying cleaning products
Welcome to SFTool Product Search

Welcome to the SFTool Product Search, your link to simpler environmentally responsible purchasing.

Have an idea about improving this service? Please contact us
Where do you find sustainable standards or ecolabels for a product?
Ecolab Endure Gentle Clean Hand Soap / 6000256, 6000257, 6000258

Category: Cleaning Products
Subcategory: Industrial and Institutional Hand Cleaners

Dye-free skin cleanser enriched with moisturizers and emollients to be gentle on the skin.

Certifications and Standards

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<th>Green Seal Certified</th>
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Federal Guidelines

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<th>GPC Federal: Cleaning Products / Industrial and Institutional Hand Cleaners</th>
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The information contained in this site was provided by the producer and/or certifier and we endeavor to keep the information up to date and correct. Ecologics makes no representations or warranties of any kind, express or implied, about the completeness or availability of the product information on the site for any purpose. We encourage users to contact the producer or certifier directly for additional details. It's important to note that no products individually or collectively, can guarantee a specific number of points for LEED, WELL, Green Globes or LBC certifications.
LANL’s Sustainable Acquisition Program Expanding

• Utilizing LANL’s new procurement software to provide an easy ordering location for LANL staff known as a sustainable product catalog.
  – This catalog will be highlighted for LANL staff as the preferred option
  – Vendors can carry products with sustainable standards or ecolabels where possible to populate this catalog
  – It’s now possible to note what standard or ecolabel that product meets
Questions?

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Waste Management for Subcontractors at LANL

Jim Stanton
Waste Management Programs

Steve Singledecker
Waste Management Services

April 22, 2021

LA-UR-21-23622
LANL Groups Involved in Waste Management

• Waste Generator Services
  – Provides Waste Management Coordinators to projects

• Waste Management Services
  – Approves waste transporters and disposal/recycling facilities
  – Provides waste shipping services for hazardous, radioactive, or other regulated wastes

• Waste Management Programs
  – Provides Waste Characterization Strategy Forms for subcontracts
  – Provides Waste Certifying Officials

• Environmental Stewardship
  – Provides waste sampling services

• Compliance Programs
  – Provides Sample Management Office
    ▪ Sample management, shipping, tracking, and data analysis
P409, LANL Waste Management Policy

- Establishes specific requirements for waste generation and waste management at LANL
- Describes the Cradle to Grave waste management process
  - Planning – Generation – Characterization – Determination/Categorization
  - Packaging – Storage – Transport – Treatment - Disposal
- Implements regulatory requirements
  - State solid waste regulations
  - State and federal hazardous waste regulations
  - DOE O 435.1
- Bolstered by
  - Functional Series Documents
  - Assessment programs
  - P409-1, LANL Waste Acceptance Criteria
Important Issues for Subcontractors

• Continues existing requirements
  - Sub provided containers must meet DOT & LANL requirements
  - Waste Characterization Strategy Forms included in subcontracts (Exhibit F clause F.39)

• Establishes new requirements
  - Specific contractual language if providing waste transport, disposal, or recycling services
  - WM-WMS approval of transporters and receiving facilities
  - Sub to provide copies of Bills of Lading for nonhazardous waste or recyclable shipments
  - Offsite waste profiles must be signed by WM-WMS
What is the Subcontractor’s Role in Waste Management?

• Collaborative waste management
  − Subcontractor and LANL Waste Management Coordinator
  − The subcontractor will partner with PM, EPC, and WM to properly characterize, generate, package, store, ship, and dispose of all waste types generated by the project

• Subcontractor must follow DOE and LANL waste management orders, policies, and procedures
  − Follow the Waste Characterization Strategy Form

• It does not mean that you have to develop your own waste management program
LANL Roles and Responsibilities in Project Waste Management

• Each project will have a dedicated Waste Management Coordinator (WMC)

• The WMC will support the following:
  - Waste characterization
    ▪ Arrange for physical samples to be pulled and analyzed off-site.
    ▪ Schedule Non-Destructive Analysis of suspect radiological waste.
    ▪ Evaluate data and make waste determinations (i.e. classify the waste)
    ▪ Complete Waste Stream Profile (WSPs) and Waste Disposal Requests (WDRs)
  - Schedule containers for regulated waste to be delivered to the site for waste generations. This excludes containers for recycle materials and non-regulated construction debris
  - Ensure that the waste the subcontractor generates meets the LANL Waste Acceptance Criteria (WAC) and the off-site TSDF WAC
  - Schedule trucks for pickup of the waste for on-site and off-site shipping
  - Interface with WM-WGS for all the above support

• LANL Project Manager will be the legal “Waste Generator” and will interface with WM to resolve waste issues
Subcontractor R2A2s in Project Waste Management

• Keep WMC and WM informed of packaging needs
  – The WM-WGS WMC will be at the daily POD
  – WGS will meet with the PM bi-weekly
  – The WMS GL will interface with the subcontractor as needed to resolve waste issues

• Generate the waste

• Package the waste

• Know what waste types (i.e. physical items) are “prohibited” in the packages as waste is generated and packages are loaded

• Support weighing the filled packages
Waste Management Process

- Characterize and profile the waste
  - Create and approve WPFs for each waste stream type
  - Once the WPFs are approved, waste generation can begin
- Mobilize and provide packages to the subcontractor
- Load waste into packages
- Certify the regulated waste as the subcontractor loads the containers
- Weight the waste packages
- Validate characterization of the packaged waste (NDA, SAP, AK, etc.)
- Mark and label packages
- Move filled packages to waste storage areas off the main footprint of the project
- Submit a Waste Disposal Request (WDR)
- Schedule and ship waste off-site
Waste Types

• Recyclable Materials (metal and concrete):
  – Subcontractor will load and transport materials recycle to an approved facility
  – Sub provides Bills of Lading so LANL can track weights, volumes, & material types

• Construction debris:
  – Subcontractor provides dump trucks/roll-off bins (approved by WM-WMS & LANL)
  – Subcontractor will load and transport to an approved facility
  – Sub provides Bills of Lading so LANL can track weights, volumes, & types

• New Mexico Special Waste
  – Treated formerly characteristic hazardous wastes (TFCH)
  – Asbestos waste
  – Ash
  – Sludge
  – Spills (oil, hydraulics, antifreeze, chemicals)
  – Petroleum contaminated soils (PCS); gasoline, diesel
  – Infectious waste
Waste Types (continued)

• Universal Waste
  – Batteries
  – Pesticides
  – Mercury thermostats
  – Lamps and bulbs. This category includes, but is not limited to fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, incandescent, and metal halide lamps/bulbs
• Chemical and Hazardous Wastes
  – Unused/Unspent chemicals
  – RCRA hazardous waste
  – TSCA PCB waste
• Low Level Radioactive Waste
• Mixed Low Level Radioactive Waste
Questions?

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Escorting

Stephan Maestas
SAFE-Deployed Security

04/22/2021

LA-UR-20-30281
General Escorting Requirements

- Un-cleared workers will be under escort at all times in security areas.
- Standard escort ratio is 5-1.
  - Modifications to standard escort ratio must be authorized by an approved Activity Security Plan (ASP).
- Escorts must complete escort training on an annual basis before conducting escort activities.
- May include facility-specific training.
- Violations of escorting procedures can result in stop work and removal from LANL property.
ESCORTING

Specific Escorting Requirements

- At the outset of an escorted visit, the escort must:
  - Meet the escorted visitor outside the Security Area
  - Ensure the escorted visitor possesses a valid badge
  - Brief the escorted visitor on any relevant prohibited and controlled article restrictions, and ask the escorted visitor if he or she is in possession of any prohibited or controlled articles
  - Brief the escorted visitor on specific security and safety requirements for the facility
Specific Escorting Requirements

- During the escorted visit, the escort must:
  - Ensure that the escorted visitor displays a valid badge at all times during the visit
  - Maintain visual and aural control of escorted workers at all times
  - Prevent unauthorized access to sensitive or classified matter
ESCORTING

Escorting Vehicles

- The escort may be in the same vehicle, or a separate vehicle as the visitor.
- The escort ratio for vehicles is 1:3 (1 escort vehicle: 3 escorted vehicles).
- The maximum number of vehicles in a caravan can be 6 escorted vehicles (while maintaining the 1:5 person rule) with a lead and trailing escort vehicle.
- Any larger caravan, an ASP must be developed.
- Vans and Busses must maintain 5 to 1 escort.
Specific Escorting Requirements

- When ending an escorted visit:
  - Retrieve and return all badges.
  - If the badge was issued by the LANL Badge Office, the badge must be returned to the Badge Office.
  - Personnel who fail to return badges will not be issued another
Questions?

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Preparing for Out Year Growth

Susan Stein
Strategic Planning and Logistics
Capital Projects (ALDCP)

April 22, 2021

LA-UR-21-23021
ALDCP Projected Growth

Over the next 5 years

- Line Items driving significant resource needs in both LANL staff and Subcontracting
- IGGP and NA-50 funded Small Projects are expected to see modest growth, while NA-10 Small Projects (Pu Sustainment) will increase over next few years
- Includes only very limited Infrastructure to support Weapons Program 30 PPY
## Subcontracts by Project

**Projected Subcontracting Activity**

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<th>Line Items</th>
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<tr>
<td><strong>Small Projects</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>NA-50 GPPs</strong></td>
<td>30</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td><strong>IGGPs</strong></td>
<td>14</td>
<td>12</td>
<td>15</td>
<td>12</td>
<td>15</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td><strong>Other (&lt;$1M upgrades)</strong></td>
<td>10</td>
<td>27</td>
<td>10</td>
<td>27</td>
<td>10</td>
<td>27</td>
<td>10</td>
</tr>
<tr>
<td><strong>Pu Sustainment</strong></td>
<td>30</td>
<td>45</td>
<td>45</td>
<td>45</td>
<td>40</td>
<td>30</td>
<td>10</td>
</tr>
</tbody>
</table>

**Totals**

<table>
<thead>
<tr>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>Out Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>161</td>
<td>172</td>
<td>175</td>
<td>180</td>
<td>179</td>
<td>165</td>
<td>130</td>
</tr>
</tbody>
</table>

**Subcontract assumed as Design/Build**

Design includes Conceptual, Preliminary, Final, Title 3 and Fabrication Activities
Estimated # Subcontracts by Value

Value of Subcontracts for FY21 thru FY25

- > 50M: 7
- 20M to 50M: 20
- 10M to 20M: 49
- 2M to 10M: 166
- 0 to 2M: 309
- Task Orders: 85

Number of Subcontracts for each value range.
## Major Material Procurements

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Total Est Value $ K</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP4</td>
<td>100 new Process Equipment</td>
<td>75,000</td>
</tr>
<tr>
<td></td>
<td>57 Glove Boxes</td>
<td>57,000</td>
</tr>
<tr>
<td></td>
<td>Piping, electrical materials</td>
<td>8,000</td>
</tr>
<tr>
<td>Pu Sustainmet</td>
<td>20 new Process Equipment</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>14 Glove Boxes</td>
<td>14,000</td>
</tr>
<tr>
<td></td>
<td>Piping, electrical materials</td>
<td>4,000</td>
</tr>
<tr>
<td>NA-50 Recap PF-4</td>
<td>Fire suppression materials, ventilation piping and instruments</td>
<td>17,000</td>
</tr>
<tr>
<td>TRP III</td>
<td>Fire alarm instruments, control cabinets, control cable, electrical conduit, boxes and other materials</td>
<td>600</td>
</tr>
</tbody>
</table>
Estimated Total LANL Staff Needs

- LANL Craft needs predominately driven by PF-4 scopes and have been communicated to Logistics
- Use of some subcontractors and Reachback is planned to address PM/CM gaps

![ALDCP Outyear Portfolio - LANL Resource Needs](chart)

- **FY20**: 400 FTEs
- **FY21**: 500 FTEs
- **FY22**: 600 FTEs
- **FY23**: 700 FTEs
- **FY24**: 800 FTEs
- **FY25**: 900 FTEs

- **LANL PM/CM & Other Support**
- **LANL Craft**
Subtotal - PF-4 Specific Resource Needs

- Increased need in Q Cleared, HRP Craft are of particular concern for PF-4 projects
- Some resource leveling anticipated as LAP4 plan is reviewed against FYNSP
Estimated Total Subcontracts

- Infrastructure projects driving the subcontractor increases
- Modular construction will reduce resources on the site

ALDCP Outyear Portfolio - Subcontract Needs

<table>
<thead>
<tr>
<th>Year</th>
<th>Subcontract Design</th>
<th>Subcontract Non-Manual</th>
<th>Subcontract Craft</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY20</td>
<td>200</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>FY21</td>
<td>200</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>FY22</td>
<td>400</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>FY23</td>
<td>800</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>FY24</td>
<td>1200</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>FY25</td>
<td>1600</td>
<td>800</td>
<td>800</td>
</tr>
</tbody>
</table>
Forecast Procurement Opportunities – Diamond Drive

Scope Of Work:
Diamond Drive is the primary roadway providing access through TA-03 and down the Pajarito Corridor. Diamond Drive experiences heavy traffic congestion in the AM and PM hours as the majority of the TA-03 and Pajarito Corridor workforce enters and exits using this road. Diamond Drive is in need of upgrades to: 1) the roadway and intersections, 2) traffic management equipment, 3) pedestrian and bicycle routes to meet current ADA criteria, and 4) landscaping to improve the overall appearance of the corridor.

Proposed Typical Section for Diamond Drive – Embudo to West Jemez
Diamond Drive

- Traffic Intersection Upgrades
- Arterial Rd. Intersections: 1 (Pajarito)
- Collector Rd. Intersections: 3 (Eniwetok, Sigma, Embudo)
- Driveway Intersection: 2 (Coronado, Grable)
- ADA Sidewalk Upgrades

- Paint Markings & Striping
- Signal Infrastructure (New Signals at Embudo & Sigma. Modifications at Eniwetok and Jemez)
- Retaining Walls (Cast In Place Concrete and Redi-Rock Block)
- Low Impact Development (LID)/ Green Infrastructure (GI) Features
Utility Relocations / Replacements –
- 1 – Replacement of steam/condensate manhole/vault w/ traffic rated lid.
- 1 – Natural gas valve pit relocation
- 16 – Sanitary Sewer manhole grade ring adjustments
- 36 – Water & Gas valve box and manhole grade ring adjustments
- 5 – Water fire hydrant relocations
- 20 – Electrical and Telecommunications manhole grade ring adjustments and installation of traffic load rated covers.
- 36 – Street Lighting improvements throughout the corridor.
- 19 – Storm Water catch basins/manholes, curb inlets
- 260 LF – Storm Drain Culverts

High Level Project Quantities and Scope Details:
- Asphalt Placement – HMA SP IV 3,050 Tons & HMA SP III 1,630 Tons
- Base Course Excavation / Demo – 27,500 SY
- Placement/Compaction – Subgrade Prep 19,300 SY & Base Course 6,276 Tons
- Sidewalks – 5,300 SY
- Curb & Gutter – 10,260 LF

Execution strategy:
- Design-Build:
- Not under MATOCs

High Level Schedule:
- RFP Phase – 2nd Quarter 2021
- Notice of Award – 3rd Quarter 2021
- Project Kick Off – 3rd Quarter 2021
TA 16  Fire Station 5  Replacement Project

Why: Existing Fire Station 5 building is over 60 years old (constructed in 1952)

Project Site: The selected project site is approximately 2.25 acres. Main vehicular access to TA16 and the Fire Station 5 site is via West Jemez Road

Scope Of Work: Programmatic Elements:

- The New Fire Station is approximately **15,000 SF** of program space.
- **Four drive-thru bays** for storage of Fire, EMS, and emergency apparatuses. Each bay will accommodate up to 2 apparatuses. Apparatus Bays shall be easily accessible from all areas of the fire station via un-obstructed, short and direct paths.
- Designed to accommodate **mixed-gender crews totaling 10 firefighters**.
A Concept Design floor plan provides a guide for spatial relationships and room size only.
Execution strategy:

- Design / Build
- Design/Construction team must have demonstrated Fire Station design experience.
- Design options are left open for designer to promote efficient and low cost solution to the project.
- Design options include:
  - one or two-story designs
  - “stick built” and modular construction types.
- Fire Station 5 design for will be used for future Fire Stations 1 & 2.

High Level Schedule:

- RFI Phase - 2nd Quarter 2021 (Evaluation of DB team qualifications and methods of construction)
- RFP Phase: 2nd Quarter 2021
- Notice of Award: 3rd Quarter 2021
- Project Kick Off: 3rd Quarter 2021
- Design duration: aprox 6 months
- Construction Start: 1st Quarter 2022
- Construction: 12 months
- Estimated value $15 to $20M
Transuranic Liquid Waste Facility (TLW)

Scope Of Work:
- 4144 Square foot pre-cast concrete building
- Single level with small Mezzanine on one side and lower level influent level on other side
- One large process area room with numerous support rooms: lockers/changing room/bathrooms, equipment rooms, influent tank area and drum prep area
- Associated utility improvements: domestic/fire water, liquid waste lines, electrical, telecom, sewer, storm drain
- Exterior utilities have to be phased to allow access to surrounding buildings and not disrupt existing operations or fire lanes
- Major equipment: evaporator, drum tumbler with enclosure, media filter, tanks, HEPA filter, chillers
- LANL to conduct utility location and tie-in to active utilities, and installation of radiation monitoring equipment, telecom, and security systems

Execution strategy:
Design Bid Build:
Design is complete
Build: FFP Lump sum, Best Value

High Level Schedule:
- RFP Phase – April 2021
- Notice of Award – 2nd Quarter 2021
- Project Kick Off – 2nd Quarter 2021
- 24 Month construction with 6 months of startup and testing support.
Execution Complexities

- Graded approach to NQA-1 requirements, LANL ML-3 quality program
- Congested construction area with little on-site storage area
- Proximity to road may require engineered shoring system
- Weather considerations
- Civil/structural takes place over winter months.
- Monsoon season, July – September
- Spring winds can limit lift and crane work
- Site weather protection is imperative
- 24 Month construction with 6 months of startup and testing support
DARHT Vessel Repair Facility

SOW Description:
- Construction of ~8,200 square foot facility within Area 2 dedicated to the cleanout and repair of vessels (up to 8' in diameter.)
- Building will be designed/constructed to accommodate government provided bridge cranes.
- The industrial areas (clean out bays) will be designated as radiological work areas and will require high efficiency particle filtration for the removal of radioactive, microbiological, carcinogenic, and other hazardous substances from the exhaust air.
- The building will also require a buffer area, change rooms, bathrooms, showers, and office space in order to support the program operations.

Execution Strategy:
- Design-Bid-Build (Design out for Bid)
- MCC: Build may be issued under MCC for GC
- Construction RFP/RFQ : 2nd Qtr 2022
- Forecasted Award Date: 3rd Qtr 2022
- Period of Performance: Aprox 12 months
- Estimated Value (Construction): > $5M
Questions?

Susan Stein
Strategic Planning and Logistics
Capital Projects (ALDCP)
sstein@lanl.gov
ASM-Capital Projects Planning

Brad Westergren
Acquisition Services Management Capital Projects

April 22, 2021

LA-UR-21-20446
Managed Category for Construction Design-Build Awardees

- Demolition and Decontamination (D&D) of various facilities
  - Los Alamos Technical Associates, Inc.
    Carl A. Beard – Chief Operating Officer
cbeard@lata.com
  - Perma-Fix Environmental Services, Inc.
    Tracey Spencer – Contract Administration Manager
tspencer@perma-fix.com
  - SIS-CTI LLC
    Peter Fant – Manager
pfant@saniscvs.com

- Modular office/laboratory facilities (Design, fabrication, supply, install)
  - Adamo Security Group
    Joshua Godknecht
JGodknecht@adamosecurity.com
  - Ramtech Building Systems, Inc.
    Matthew Slataper
matt@ramtechgroup.com
  - RedGuard, LLC
    Ross Draney
rossd@coversix.com

- Electrical/Systems (Construction, maintenance, and alterations)
  - Beltline Electric Co., Inc.
    Jason Siener
jsiener@beltlineservices.com
  - Northridge Electric
    Mark DeMoss
mdemoss@burgosgroup.com
  - RG Construction Services, LLC
    John McKinstry
john@rgcsnm.com

- Asphalt paving
  - Ahtna Construction & Primary Products, LLC
    David O’Donnell
dodonnell@ahtna.net
Future Managed Category for Construction (MCC) Design-Build (D-B) Awards, Planning Estimation

• April
  – General Construction (Design-Build, Design-Bid-Build, Build construction, maintenance, and alteration of various facilities)

• May
  – Fire Suppression, Fire Protection
  – Mechanical Systems (construction, repairs, alteration and maintenance)
Supplier & Subcontractor Survey


• How would you grade the quality of the LANL solicitation?
• How would you grade the experience of competing for business opportunities at LANL?
• How would you grade LANL’s evaluation of your bid, proposal, or offer?
• How would you grade the experience of working with LANL individuals responsible for oversight and surveillance?
• What is the easiest or most enjoyable aspect of being a direct subcontractor to LANL?
• What is the most challenging aspect of being a direct subcontractor to LANL?
• What are the top three areas where LANL needs to improve regarding support to, and oversight of the subcontract?
• Please provide any other recommendations for how LANL could improve the LANL support to, and oversight of the subcontract
• Please provide any other recommendations for how LANL could count on your company competing for future opportunities at LANL
Questions

Brad Westergren
westergren@lanl.gov
Procurement Transformation Update

Linda Jones
Acquisition Services Management

April 22, 2021

LA-UR-21-20446
New Solutions Roll Out

- Full launch of Ariba is currently planned for May 17th
- After “Go-Live” future procurements will be processed in Ariba; LANL will discontinue use of the current Oracle procurement system
- Many existing contracts are being transferred to Ariba
- To be ready to transact with LANL in Ariba, suppliers need to have an Ariba Network account and complete the LANL supplier registration questionnaire

CALL TO ACTION: Existing and new suppliers need to register in Ariba at this time; please provide LANL with the correct contact information to receive the Ariba invitation to register
New Solutions Timeline

We need all suppliers to be ready for the Go-Live dates
Ariba Overview

**Module Description**

- **Supplier Lifecycle & Performance**
  - This module integrates the supplier creation, registration, maintenance and qualification processes.

- **Sourcing**
  - This module provides a strategic sourcing environment for LANL to collaborate with suppliers and managing RFIs/RFPs, evaluations and negotiations.

- **Contracts**
  - This module provides the workspace for electronic contract documents, including e-signatures through DocuSign.

- **Buying**
  - This module offers an online buying platform for LANL employees to buy goods and services. Users can either select items from the available catalogs or use it for free-text buying.

- **Invoicing**
  - This module uses Ariba’s cloud-based platform to send purchase orders and invoices between LANL and suppliers, making the process faster and more accurate.

**Overview of Changes**

- Suppliers complete registration questionnaire
- Suppliers maintain company information directly
- Suppliers respond to RFIs and RFPs through Ariba
- "Must have Ariba account and be registered in Ariba"
- Suppliers sign contracts electronically with DocuSign
- New contracts executed and maintained within Ariba
- Purchase orders and order confirmations will be sent and received through Ariba
- Invoices will be sent to LANL in Ariba
Resources Available

• For the most current information on the Ariba launch and for Ariba training / resources, visit LANL’s website: lanl.gov/business

• For questions or technical support, contact the LANL Supplier Management team at aribasuppliers@lanl.gov
Questions?
Small Business Program Update

Yvonne Gonzales
Small Business Program Lead
Acquisitions Services Management

April 22, 2021

LA-UR-21-23018
About Los Alamos National Laboratory (LANL)

- LANL was established in 1943
- Located in Los Alamos, New Mexico
- LANL is one of the largest science and technology institutes in the world and conducts multidisciplinary research in fields such as national security, space exploration, renewable energy, medicine, nanotechnology and supercomputing
- On November 1, 2018 Triad National Security, LLC, took over the LANL M&O contract.
- LANL is the largest employer in Northern New Mexico, with approximately 12,367 employees
Our Mission

To solve national security challenges through simultaneous excellence

Mission Areas

Nuclear Deterrence and Stockpile Stewardship
Protecting Against the Nuclear Threat
Emerging Threats and Opportunities
Energy Security Solutions
Small Business Procurement

The Laboratory spent 65.3% of its procurement dollars with small businesses
What LANL Buys

- As a premier national research and development laboratory, LANL seeks to do business with qualified companies that offer value and high quality products and services.

- Products and services that LANL can procure include, but are not limited to include:
  - Research and Development Studies
  - Facility Construction and Architectural/Engineering Services
  - Equipment – Maintenance and Repair
  - Support Services and Staff Augmentation
  - Mechanical and Electronic Fabrication
  - Commercial Products and Services
  - Environmental Restoration
## LANL Small Business Goals

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Small Business Goal</th>
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<tr>
<td>FY2019</td>
<td>59.7%</td>
</tr>
<tr>
<td>FY2020</td>
<td>61.7%</td>
</tr>
<tr>
<td>FY2021</td>
<td>63.7%</td>
</tr>
<tr>
<td>FY2022</td>
<td>65.7%</td>
</tr>
<tr>
<td>FY2023</td>
<td>67.7%</td>
</tr>
</tbody>
</table>
### FY2021 Small Business Subcontracting Goals and Achievements

<table>
<thead>
<tr>
<th>Category</th>
<th>FY2021 Goals</th>
<th>FY2021 (6 months) Goal Achievements</th>
<th>FY2021 (5 months) Goal Achievements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Business (SB)</td>
<td>63.7%</td>
<td>72.1%</td>
<td>73.8%</td>
</tr>
<tr>
<td>Small Disadvantaged Business (SDB)</td>
<td>27.5%</td>
<td>16.9%</td>
<td>15.8%</td>
</tr>
<tr>
<td>Women-Owned Small Business (WOSB)</td>
<td>19.5%</td>
<td>15.0%</td>
<td>17.4%</td>
</tr>
<tr>
<td>HUBZone Small Business (HUBZone)</td>
<td>4.95%</td>
<td>6.1%</td>
<td>5.5%</td>
</tr>
<tr>
<td>Veteran-Owned Small Business (VOSB)</td>
<td>8.5%</td>
<td>9.5%</td>
<td>9.1%</td>
</tr>
<tr>
<td>Service-Disabled Veteran-Owned Small Business (SDVOSB)</td>
<td>4.7%</td>
<td>2.6%</td>
<td>2.7%</td>
</tr>
</tbody>
</table>
FY 2020
TOP 10 NAICS BY TRANSACTION COUNT

- 339999 All Other Miscellaneous Manufacturing
- 339940 Office Supplies (except Paper) Manufacturing
- 334516 Analytical Laboratory Instrument Manufacturing
- 334111 Electronic Computer Manufacturing
- 334220 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
- 334419 Other Electronic Component Manufacturing
- 334118 Computer Terminal and Other Computer Peripheral Equipment Manufacturing
- 332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing
- 337127 Institutional Furniture Manufacturing
- 332999 All Other Miscellaneous Fabricated Metal Product Manufacturing
Qualifying Northern NM Counties

Regional Purchasing Preference

7 NNM Counties

• Los Alamos
• Mora
• Rio Arriba
• Sandoval
• San Miguel
• Santa Fe
• Taos
Northern NM Business

Represents that for the calendar year prior to the submission of its offer,

- properly authorized to do business and
- has been operating in NNM with a staff of three or more full time equivalent employees (of which 51% must reside in NNM),
- that it currently has a facility in NNM that can support the business activity contemplated by the Statement of Work / Scope of Work;

Or

- Has historically operated in NNM
  - with two or less full time equivalent employees who reside in NNM,
  - it is independently owned (i.e., its owner(s) exercise(s) close control over operations and decisions which are not subject to control or the power to control by others),
  - its majority ownership interest is held by residents of NNM,
  - it has been properly authorized to do business in NNM and it currently has a facility in NNM that can support the business activity contemplated by the Statement of Work / Scope of Work.
Tribal Business Alliance

3 New Mexico Pueblos
• Acoma
• Ohkay Owingeh (Formerly San Juan)
• San Ildefonso

These Triad Pueblo business alliance members will receive an additional price evaluation discount of 5%.
LANL’s SB Initiatives

- Small Business Program will review all procurements with a value of $250K or greater
- Posting of competitive procurements >$250K to SB website
- Interactions with Technical organizations
- Participation at outreach events
- Hosting subcontractor forums
- Regional and Triad Tribal Alliance Pricing Preference Program
- Mentor Protégé Program
Register to become a supplier with LANL

- If you’d like to become a LANL supplier, request an *invite to register*.
- Registration in the Ariba Network is required of all suppliers doing business with LANL.
- Supplier Self-Registration Request Link: [http://lanl.sourcing3.ariba.com/ad/selfRegistration](http://lanl.sourcing3.ariba.com/ad/selfRegistration)
- Required information on the request form will be those items with a red *
  - Supplier Name (Use all CAPS)
  - DUNS Number
  - Main Company Address
  - Supplier Contact Information (First and Last Name, Organizational Role, Phone, Email)
  - Categories your company can provide (i.e. cleaning supplies, construction, etc.)
  - Region(s) your company can service
- Once you click the submit button, the LANL Supplier Desk will receive an email letting them know a Supplier Request has been submitted and is ready for review and approval.
Forecast Procurement Opportunities

https://www.lanl.gov/business/procurement-opportunities.php
Forecast Procurement Opportunities

LANL BUSINESS OPPORTUNITY ID#328

Posting Date: 3/17/2021
Posting Close Date: 04/16/2021

Estimated RFP/RFQ Release Date: 3rd Qtr. FY 2021
Estimated Award Date: 3rd Qtr. FY 2022

Competition Type: TBD

Estimated Period of Performance: 5 year base with option periods

North American Industry Classification System (NAICS) code for the request: 561612 Security Guards and Patrol Services

Buyer Contact Name/Email: Janneke Rasmussen/ janneke@lanl.gov

Small Business Program Email: business@lanl.gov

Title of Opportunity: Protective Force Services
Forecast Procurement Opportunities

LANL BUSINESS OPPORTUNITY ID#320

Title of Opportunity: RFI for NQA-1 Subcontractors

Posting Date: OPEN                                           Posting Close Date: ONGOING

North American Industry Classification System (NAICS) code for the request: TBD

Contact Name/Email: Louis Kummer/ lpkummer@lanl.gov

Small Business Program Email: business@lanl.gov

Description of product or service required

LANL seeks subcontractors capable of being approved on our Institutional Evaluated Suppliers List (ISEL) for NQA-1 programs. NQA-1 experience may be gained by participating under another subcontractor who has an NQA-1 program. Qualifications for work should include construction, engineering, quality assurance, quality control, startup and test, commissioning, fire protection, software developers or suppliers, and other disciplines associated with an engineering, procurement, and construction (EPC) company.
Questions?

Warren Finch
Deputy Division Director and Small Business Program Manager
Acquisition Services Management

Yvonne Gonzales
Small Business Program Lead
Acquisition Services Management
Email: business@lanl.gov
Website: http://business.lanl.gov
Closing

Yvonne Gonzales
Small Business Program Lead
Acquisition Services Management