



SIERRA ARMY DEPOT

"The Army's End of First Life Center"



SIERRA ARMY DEPOT

Command Brief

Commander
Sierra Army Depot

Pride in Excellence

20 Dec 2023





Mission: Sierra delivers responsive material readiness and unique sustainment solutions to support Army and Joint Force multi-domain operations.

Army's Center of Industrial & Technical Excellence for Fuel & Water Systems

Army's <u>Center of Technical Excellence</u> for Operational Project Stocks



Capacity, People, and Facilities Ready to Support Worldwide Logistics Requirements

- ❖ 36.000+ Acres No urban encroachment
- 7M cubic feet of covered warehouse space
- ❖ 799 Earth Covered Igloos
- ❖ 59 miles of rail w/3 rail classification yards
- 114 miles of internal road
- ❖ 34M square feet of improved open storage space
- Heavy lift capable organic airfield
- ❖ 500K square feet of Industrial Space
- ❖ ISO Certified in Quality and Environmental Management
- Equipment Retrograde, Reutilization & Redistribution
- ❖ Asset Management & Care of Supplies in Storage (COSIS)
- ❖ International Foreign Military Sales (FMS) Support







Initiatives:

- Lean Six Sigma Continuous Process Improvement
- Quality Work Environment Improvements
- Employee and Leader Development
- Energy Efficiencies and Sustainability



Vision: Be the Army's premier facility dedicated to asset reutilization, regeneration, and redistribution ... the Army's End of First Life Center.





WORKFORCE DEMOGRAPHICS

Top 2 Homes of Record by State:

State	Civilians
California	70%
Nevada	30%



Occupation: Logisticians
Percentage of Workforce: 36%



Occupation: Engineers

Percentage of Workforce: 1%

Military Personnel: 3



Occupation: Administrative Percentage of Workforce: 17%



Occupation: General Labor Percentage of Workforce: 38%



Occupation: Skilled Trades
Percentage of Workforce: 8%



Demographics



Employees Assigned to SIAD: 1,059

Tenants: 59

Contractors (All): 160

Non-Appropriated Fund Employees: 17

Average Employee Age: 44

Average Employee Years of Service: 9

Retirement eligible within 2 years: 15%





SIAD ENABLES DYNAMIC EMPLOYMENT OF STOCKS

Ship Assets Worldwide to Meet Critical Needs

- Water & Fuel Distribution Systems
 - 3K ROWPU Reset
 - HIPPO Reset
 - M149 Water Buffalo Reset
 - Inland Petroleum Distro System (IPDS) COSIS
 & Storage
 - Fuel System Support Point (FSSP) Assembly
- Soldier Support
 - Reserve Component OCIE/CIF
 - OCIE Hard Armor Plate Repair
 - OCIE Supply Depot Operations (2 Stock Record Accounts, \$776M value)
 - Force Provider Systems
 - Medical Hospital Sets
- Soldier Survivability
 - SOCOM MRAP COSIS & Storage
 - JLTV Add on Armor Re-kitting & Storage
 - MRAP Survivability Kit Assembly & Storage
 - Stryker Survivability Kit Assembly & Storage Acronyms:

tems

AMI/NAMI – Army Managed Items/Non-Army Managed Items COSIS – Care of Supplies In Storage EOH – Equipment On Hand HIPPO – Load Handling System Compatible Water Tank MRAP – Mine Resistant Ambush Protected ROWPU – Reverse Osmosis Water Purification Unit MTRCS- Multi-Temperature Refrigerated Container Sys.

- Unit Readiness Army Equipment EOH Shortages
 - M3/M3A1 CROP Reset
 - M149 Water Buffalo Reset
 - MTRCS Reset (Prototype)
 - MIRCS Reset (Prototype)
- Unit Readiness
 - Class IX Shipments
 - NMCS Shipments
- Equipment Retrograde Support
 - Class VII
 - Class IX AMI/NAMI Stocks
- Depot Critical Parts Harvest
 - AMI/NAMI
- Army Readiness
 - Strategic War Reserve

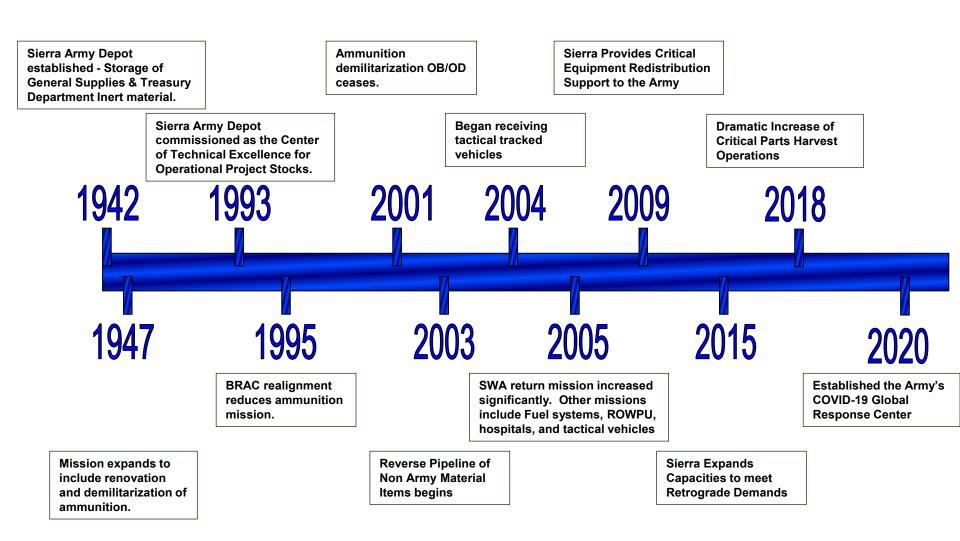
CIF – Central Issue Facility
CROP – Container Roll-Out Platform
ESAPI – Enhanced Small Arms Protective Inserts
JLTV – Joint Light Tactical Vehicle
OCIE – Organizational Clothing & Individual Equipment
SOCOM – Special Operations Command
MIRCS- Mobile Integrated Remains Collection Sys.





8-15-19

SIAD History







MODERNIZATION



Modernization Strategy:

Align infrastructure, equipment, and workforce skillsets with Mission requirements and long-term strategic goals, as well as enhance safety measures and working conditions. Improvements will enable the transformation of WWII-era infrastructure into a modern, efficient, and technologically advanced center to support Army and Joint Force multidomain operations.

Goal 1

Modern, Versatile Facilities – Design or modify facilities to be responsive to changing mission requirements through large and open spaces with ample storage and laydown areas, incorporating natural light, climate-control, and smart warehousing technologies.

Goal 2

Supporting Infrastructure – Repair and upgrade communications, energy, and transportation infrastructure to ensure reliable communications and power, energy redundancy, alternative energies, and enhanced logistics capabilities.

Goal 3

Increase Efficiency, Readiness – Purposeful layout of facilities connected by a redundant road network that creates functional adjacencies and increases productivity; centralize/consolidate dispersed functions, creating peripheral room for growth.

Goal 4

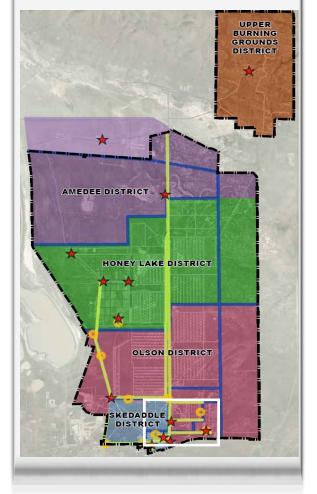
Quality Work Environment – Enhance workspaces, both inside and outside facilities. Consider gathering spaces, dining options, break rooms, and ergonomic work sites inside buildings. Aesthetically pleasing landscaping, connected sidewalks, and outdoor lighting will improve outdoor quality of life amenities.



Installation Facts:

- 36K+ Total Acres
- 1,230+ Acres Improved Outside Storage
- 13,300+ Acres Unimproved Land
- 1.149 Total Structures
- 799 Ammunition Magazines
- 48M+ cf Warehouse/Industrial Space
- Airfield w/ 10,000 ft. runway
- 59 Mi Rail (3 classification yards)
- 2.3 MW PV Array
- 2 Water Treatment Facilities

Sierra Army Depot District Map





MODERNIZATION



Access Control Point

Primary ACP does not comply with Army Standards. Existing ACP offers minimal protection from vehicular/ pedestrian traffic to SIAD's security force.

Paint Facility

Care & Preservation Shop to perform pre-heating, painting & drying of assets. Output capacity projected at a 40% increase in production by streamlining current operations.

Distribution Center

600,000 SF distribution facility will provide a versatile, reconfigurable design with intelligent equipment for the storage of equipment and durable materials for the Army.

Central Receiving

200,000 SF central shipping/receiving will provide materiel receipt, processing, and shipping activities in a consolidated connected space allowing for increased efficiencies in the overall fulfillment process.

Maintenance Facility

Standard design maintenance facility to perform COSIS on Operational Project Stock material.

Emergency Services

Centralized facility for security and force protection through Law Enforcement Operations, Physical Security Support and Fire Emergency Services.

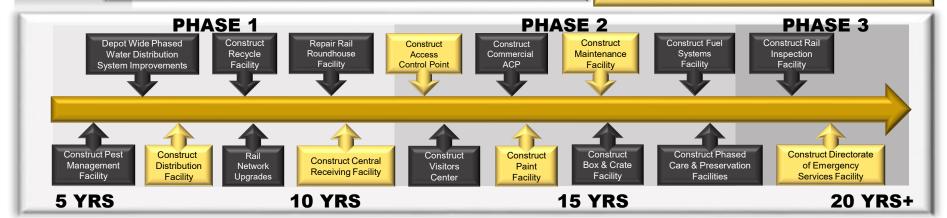
Highlights:

FY24-28

- Industrial Control Network
- RFID Inventory and Asset Tracking Solution
- Phase 1 of Logistics Facility (OCIE and Body Armor)
- Modernize rail network to support heavy systems FY29-33
- Phase 2 Logistics Facility Modernization
- Major End Item Intake Facility
- Consolidated Shipping & Receiving Facility FY34-38
- Phase 3 Logistics Facility Modernization
- Rail Loading & Unloading Facility
- Fuel System Storage & Maintenance Facility

End Objective:

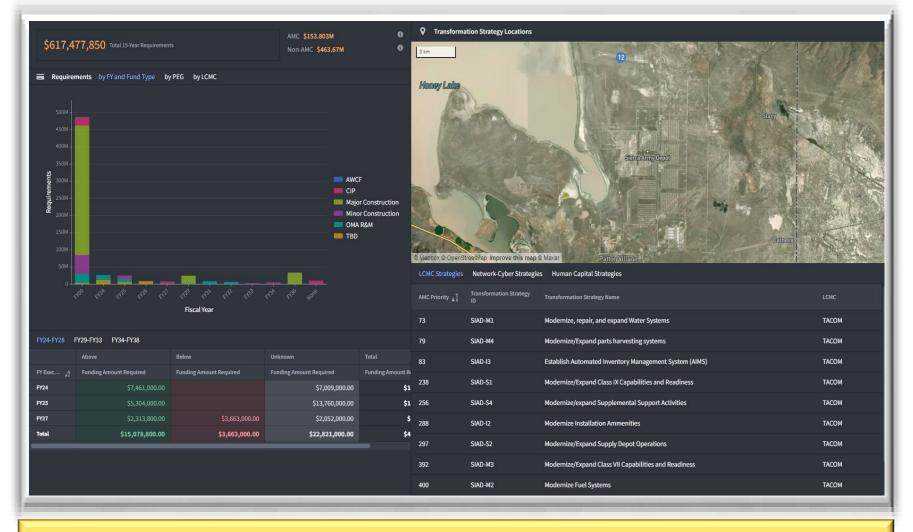
Adaptable and resilient installation capable of sustaining wide-ranging programs, maintaining pace with Army modernization efforts and postured to surge in support of its ability to meet the readiness demands of global U.S. Joint Forces for the Army.





MODERNIZATION



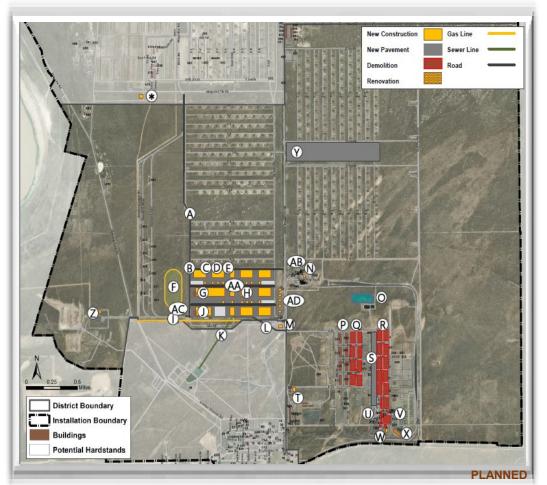


- Sierra AD currently has 75+ modernization projects valued at \$610M+ targeted through FY40, with an additional 50+ projects valued at \$120M+ to be inserted into future years
- Currently 21 projects are programmed for execution in the next 15 years totaling \$39M+ (approx. 5% of current modernization requirement).



OLSON DISTRICT









- The Olson District Area Development Plan (ADP) puts forth a strategy for phased investment that would replace aging, ill-fitting facilities with new modular facilities that could adapt easily to the ever-changing mission needs of the Army.
- The gradual shift of mission activities from the current warehouse area to A block would create operational efficiencies among the installation's perimeter gates, transportation capabilities (via truck, rail, and air), and other operational hubs in the Skedaddle and Honey Lake Districts.
- With this practical, incremental approach, SIAD will build on its legacy of success, transforming itself within the next 20 years from a base that "does more with less" to a base that can "do everything the best."



HONEY LAKE DISTRICT









EXISTING

- Facilities in the Honey Lake District are key to the parts harvest and long-term storage missions.
- The Honey Lake District Area Development Plan (ADP) puts forth a strategy for phased investment that would renovate aging, ill-fitting facilities and construct new facilities that can significantly improve operational efficiencies for both known, current missions and future mission sets.
- This plan establishes a clear vision for improved operational efficiency and worker satisfaction that is achievable in the mid-term, enabling the Honey Lake District to lead SIAD's path forward to being the most resilient depot in the Army.





Backup Slides

OPPORTUNITIES AT SIERRA

Be the Army's premier facility dedicated to asset reutilization, regeneration, and redistribution

- Establish Sierra as the Army's End of First Life Center Like the Air Force did with Davis Monthan AFB AF Boneyard (Expand Critical Parts Harvest Activity)
 - ✓ ALL Vehicles initially placed in a Preservation category based on fleet strategy (SWR, Harvest components, FMS Sales, etc)
 - ✓ Army should benefit from "ALL the vehicle" BEFORE turning-in the data plate to DLA **Recycle & sell 13K lbs. High Grade Aluminum in EACH M113
- Facilitize & Consolidate AJ1 Retrograde & Redistribution Operations Increase Efficiencies
 - ❖ AJ1 Generates a PROFIT TO THE AWCF 3.6:1 Return on the Cost FY23 to Run AJ1 at Sierra
 - ❖ FY23 Cost \$60M at Sierra Issued >\$213M to units & SSA's (Generates a Sale to AWCF & NAMI Contract Authority Cost Avoidance)!
 - ✓ Need Consistent Funding Strategy (2005-2022: OCO, 2023 2 AWCF funding streams: TACOM AMI & NAMI, 2024 5 AWCF funding streams: TACOM AMI & NAMI, CECOM, AMCOM AMI Missile, & AMCOM Aviation)
 - ✓ Need modern facilities & automation to take this to an Amazon-Like Operation
- Facilitize and Consolidate OCIE On Line Direct Ordering at Sierra (Model an expanded Reserve Component Operation)?
 - ✓ Re-platforming of ISM to include both inventory and warehouse management
 - ✓ Supply OCIE and equipment direct to soldiers
 - ✓ Resupply CIF's in CONUS, Europe, & Pacific
- > Fund Water & Fuel Distribution Reset/COSIS (Army's CITE for ALL Fuel & water systems)
 - ✓ HIPPO; Tactical Water Purification System (TWPS); Fuel System Supply Point System (120K/300K); 3K ROWPU
- > Fund Operational Project Stock (Army's Center of Technical Excellence for OPROJ)
 - ✓ IPDS COSIS & Maintenance ZERO FY25 Requirements forecasted
- > Fund PLS Trailer Flatrack & Container Reset
 - ✓ M3A1 CROP; MILVAN/Container



erra Army Depot (SIAD)

Commander: LTC Haynes

Army's End of First Life Center

Distribution Systems (PAWS)

 Retrograde, Regeneration, Reset, Reutilization & Redistribution

CITE for Petroleum and Water

TACOM SITES THAT GENERATE READINESS

Ft Leonard Wood FMX

- 309 personnel support MSCOE (MP, CM, and EN Schools, along with ITRO Marines and Navy)
- Support 40 critical fleets (1607 pieces)
 Maintain 4,913 pieces of reportable equipment; Dozer, Stryker, HMMWV, LHS/PLS, FMTV, BHL, Grader, Huskey,
- Support 68,000 students annually

M915. etc.



- Vertically Integrated Metal Manufacturing
- Designated CITE for Add-on-Armor, Mobile
 Maintenance Systems and Foundry Operations



TACOM LCMC

- Develop and Deliver Readiness
 Workforce: 6,036 team mates
- ILSC: 2480
- G-Staff: 412 PEO GCS: 240
- MSO: 209 PEO CS&CSS: 449
- PM LAV: 48 SOSE&I: 101
- ACC-Warren: 559 TARDEC: 1,538



Joint Manufacturing Technology Center Watervliet Arsenal (JMTC WVA)

- America's sole manufacturing facility for thin and thick wall cannons (private and public)
- Manufacturing expertise from prototype through low rate initial production into full rate production



Joint Systems Manufacturing Center(Lima

America's Sole Production facility for M1 Abrams
 Manufacture, repair upgrades, and tests armored combat vehicles, Special Armor Program (SAP)
 Staylor Physiola Will & Staylor 20mm Pragon

Stryker Double V Hull & Stryker 30mm Dragoon, MK-46 Naval Gun System, Israeli Namer APC

Fleet Management Expansion (FMX)

- 914 personnel at 4 TRADOC COEs and offsite locations
- 78 critical fleets (4,027 pieces) and 22,670 pieces of reportable equipment
- 191,094 pieces of POI equipment support to 42,145 soldiers daily
- Weapons: 103,856
- Vehicles: 4,186
- Trailers: 560
- Power Generation Equipment: 191

Logistics Assistance Representatives (LARs)

Radios/NVD: 61,436

301 LARs in 15 countries

32 CONUS locations

4 SWA locations

and CTCs

exercises

10 OCONUS locations

Other: 21.135

Red River Army Depot (RRAD

- Overhauls & repairs combat & tactical vehicles
- Bradley, MLRS, MRAPs, HMMWV, HEMTT, PLS
- FMTV, HET, Trailers, Bridge Boat, Cranes, Forklift
- Rubber Products (Track & Roadwheels), FSS



Anniston Army Depot (ANAD)

 Overhauls & repairs heavy & light combat vehicles, artillery, assault bridging, locomotives, generators, etc.
 M1A1, Stryker, M88, M109, FAASV, M113, AVLB, ABV, M9 ACE, rifles, mortars, GT 1500 Turbine Engine, Small Arms

Ft Benning FMX (Includes Camp Merrill, GA and Camp Rudder, FL)

- 438 personnel at 3 sites support MCOE (Armor, Infantry, and Ranger Schools)
 Support 6 critical fleets (638 pieces)
- Maintain M1 Tanks, Stryker, Bradley, M88, HMMWV, M997, etc.
- Support 69,828 students annually

Ft Lee FMX (Includes Eustis, AP Hill, and Meade)

- 103 personnel at 4 sites support SCOE
- (QM, Trans, and OD Schools, along with ALU and AWG)
- Support 25 critical fleets (349 pieces)
- Maintain 3,609 pieces of reportable equipment; M88, M984A2, 10KFL, RT240, HMMWV, MTV, etc.
- Support 67,227 students annually

Ft Jackson FMX

- 64 personnel support
- US ATC (Basic Training)
- Support 7 critical fleets (1,165 pieces)
 Maintain 1,279 pieces of reportable
 equipment M249, M240, M2, M320, M4, etc.
- Support 57,102 students annually



Provides technical support to AC, NG,

20 LARs supporting deployments and