May 3, 2023
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Director, Facilities and Site Services

INL Infrastructure Transformation Past, Present and Future

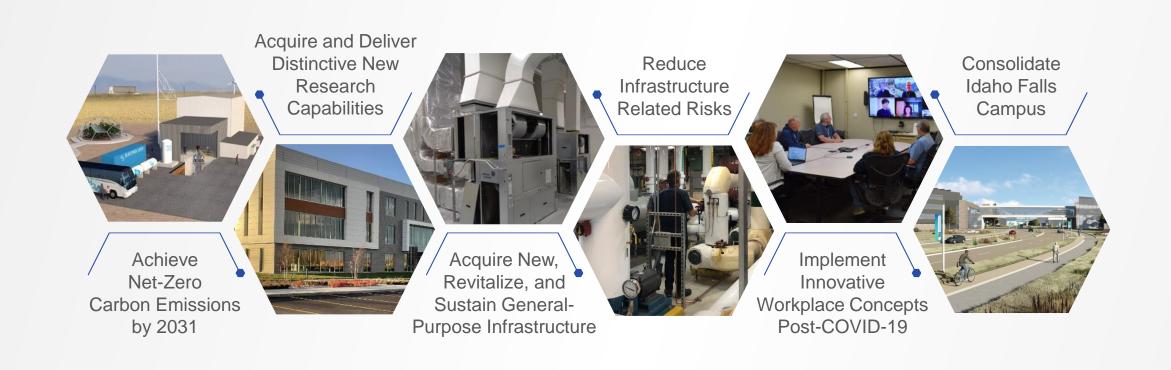
Unique INL site, infrastructure, and facilities enable energy and security RD&D at scale **\$1,630 M** FY22 Total Operating Cost Specific Manufacturing Capability at **5,700+** Employees Test Area North **569,178** Acres To Rexbura **890** Square Miles INL Primary INL Campus Important to NE and other Mission Accomplishment **Naval Reactors** Supporting INL Multi-Program Facility To Arco Materials and Advanced Research Idaho Nuclear Technology **Fuels Complex Test Reactor** and Education and Engineering Center Complex Campus Critical Infrastructure Central **Test Range Complex** Facilities Area To Idaho Falls (28 miles) Radioactive Waste Management Complex

To Blackfoot

- 4 Operating reactors
- 12 Hazard Category II & III non-reactor facilities/ activities
- **50** Radiological facilities/activities
- 17.5 Miles railroad for shipping nuclear fuel
 - 44 Miles primary roads (125 miles total)
 - 9 Substations with interfaces to two power providers
 - 126 Miles high-voltage
 Transmission & Distribution lines
 - 3 Fire Stations



Our Strategy to Transform INL's Infrastructure



STRATEGY IS ACHIEVED THROUGH A COMBINATION OF DIRECT AND INDIRECT INVESTMENTS

MK Simpson Blvd- the Research and Education Campus (REC) Before and After





Significant progress achieved delivering new S&T capability and enabling infrastructure since 2008



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FY23 Infrastructure Investments

Advanced Test Reactor (ATR)





Parking Lot Expansion

Reactor Support Building



ATR Plant Heath Investments



ATR Fabrication Shop Improvements



Building 658 Roof Replacement

Materials and Fuels Complex (MFC)



Sample Preparation Laboratory



NRIC Dome Test Bed



MFC Security Building



NRIC LOTUS Test Bed



West Campus Office Building



MFC Fabrication Shop Improvements

FY23 Infrastructure Investments

Central Facilities Area (CFA) and Sitewide

Specific Manufacturing Capability (SMC)



Power Utilities Building



Consolidated Training Facility



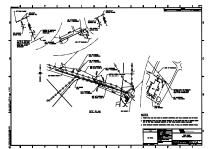
CITRC Test Pad



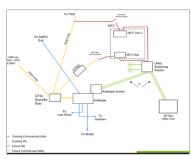
Cafeteria Remodel



Fire System Upgrades



West Range Utility Corridor



Power Grid Upgrades



Multi-Program Highbay Upgrades



Production Support Facility



Utility Corridor Upgrade

FY23 Infrastructure Investments

Research and Education Campus



New Lease Acquisition & Improvements



SMC Secure Building at IRC



NHL Lease Replacement



IRC Roof Replacement



Chemical Storage Facility HVAC Upgrades



BCTC Exit



Lindsay Blvd Improvements

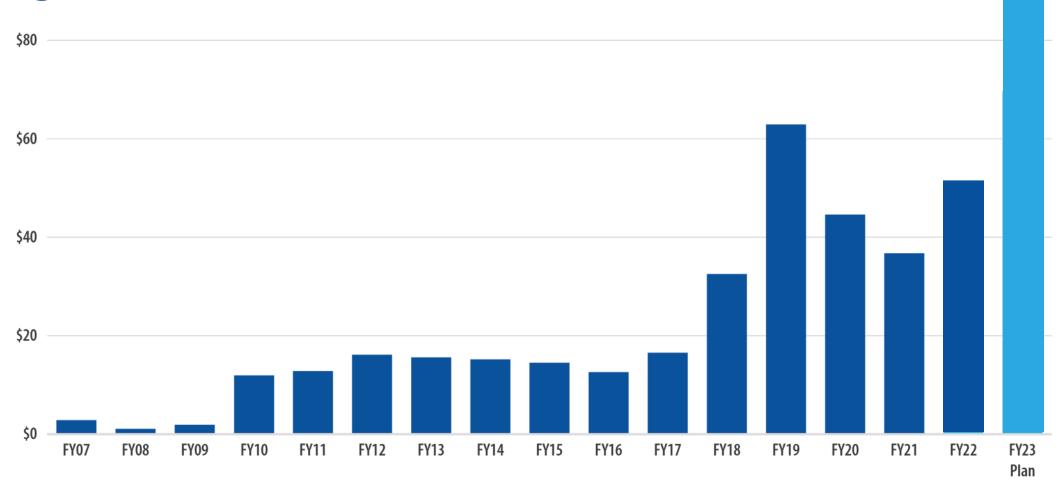


Collaborative Computing Center Cooling Upgrades



Energy System Laboratory Upgrades

We have maintained a strong commitment of institutional infrastructure investments to achieve our transformation goals



INL is developing and deploying solutions now to move towards net zero















600+
Total vehicles



5,700+ Employees



300+
DOE-owned
buildings & trailers



50+ MW purchased



Battelle Energy Alliance manages INL for the U.S. Department of Energy's Office of Nuclear Energy. INL is the nation's center for nuclear energy research and development, and also performs research in each of DOE's strategic goal areas: energy, national security, science and the environment.