Idaho National Laboratory –
Creating a Secure, Resilient, Clean Energy Future
INL Campus

$1,630 M  FY22 Total Operating Cost
5,700+  Employees
569,178  Acres
890  Square Miles

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
128  Miles high-voltage transmission lines
3  Fire Stations
Ambitious goals to mitigate climate change: Achieving “net-zero” at INL by 2031

• President Biden has set a goal of achieving net-zero greenhouse gas emissions by no later than 2050 and limiting global warming to 1.5 degrees Celsius

• Steps in reaching this goal require the U.S. to achieve
  – 100 percent carbon pollution-free electricity by 2035
  – Net-zero economy wide by 2050

• Must be achieved while…
  – Investing in infrastructure
  – Fueling an economic recovery – job creation
  – Advancing environmental justice
  – Bolstering domestic supply chains

What is “net-zero”?
“Net-zero” refers to a target of completely negating the amount of greenhouse gases produced by human activity, to be achieved by reducing emissions and implementing methods of absorbing carbon dioxide from the atmosphere
Annual Projected Openings

**2,853 Total Anticipated Openings**

<table>
<thead>
<tr>
<th>Openings</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Position</td>
<td>456</td>
<td>381</td>
<td>237</td>
<td>177</td>
<td>187</td>
<td>1444</td>
</tr>
<tr>
<td>Replacement</td>
<td>441</td>
<td>265</td>
<td>272</td>
<td>262</td>
<td>175</td>
<td>1409</td>
</tr>
<tr>
<td>Grand Total</td>
<td>897</td>
<td>646</td>
<td>509</td>
<td>439</td>
<td>362</td>
<td>2853</td>
</tr>
</tbody>
</table>

These openings include **research** and **enablement** positions depicting workforce needs that range vastly in **educational levels, experience** and **background**.
Projected Openings by Work Family

Total Anticipated Openings Through FY26
# Top INL Nuclear Related Jobs

<table>
<thead>
<tr>
<th>Occupation- Engineering</th>
<th>Occupation- Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Research Facility Engineer</td>
<td>Installation &amp; Repair</td>
</tr>
<tr>
<td>Nuclear Reactor Engineer</td>
<td>Security Officers</td>
</tr>
<tr>
<td>Mechanical Engineer</td>
<td>Laborer</td>
</tr>
<tr>
<td>Chemical Engineer</td>
<td>Project Managers</td>
</tr>
<tr>
<td>Electrical Engineer</td>
<td>Welders</td>
</tr>
<tr>
<td></td>
<td>Machinists</td>
</tr>
<tr>
<td></td>
<td>Data Analysts</td>
</tr>
<tr>
<td></td>
<td>Cyber Risk Analysts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Occupation- Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Facility Operator</td>
</tr>
<tr>
<td>Health Physics Technician</td>
</tr>
<tr>
<td>Nuclear Reactor Operator</td>
</tr>
<tr>
<td>Quality Inspection Technician</td>
</tr>
<tr>
<td>Systems Operators &amp; Technicians</td>
</tr>
<tr>
<td>Grid Technicians &amp; Installers</td>
</tr>
</tbody>
</table>

An interactive and informative interface producing a picture of Idaho’s nuclear industry from a workforce perspective. Occupation information, education pathways, and local employers come together with real time data, programs, and job openings. The pipeline to Idaho’s nuclear industry starts here!

Utilize this Nuclear Careers tool at: https://prezi.com/view/BwzXXBsOw6hZBQKBDFCg/
Opportunities for Students

Internships
• INL’s internship programs hire over 500 students annually.
• Paid opportunities are available in a wide range of STEM and other fields for high school, undergraduate and graduate students.

INL Graduate Fellowships
• Work at INL while pursuing an advanced degree, including salary and tuition coverage.
• The INL Graduate Fellowship program helps identify and recruit exceptional talent in research areas aligned with INL’s strategic agenda.

Postdoctoral Appointments
• Postdocs are provided a mentored research experience and the highest quality of training to prepare the participants for transition to research independence.
• INL has multiple Distinguished Postdoctoral Appointments for outstanding candidates.

Office of Science Programs
• Externally-funded opportunities are available through Workforce Development for Teachers and Scientists (WDTS), including the Science Undergraduate Laboratory Internships (SULI), Office of Science Graduate Student Research (SCGSR) programs, and the Community College Internship programs (CCI).

Learn more about Student Opportunities at [Careers and Job Openings (inl.gov)](http://inl.gov)
Opportunities for Faculty

**Academic Visitors/Visiting Researchers**

- INL’s academic visitors program promotes collaboration and interaction between lab researchers – and research programs – and university staff. This program allows university personnel, with no funding or contracts with INL, access to security plans and badging needed to access INL facilities. Opportunities include guest lectures, research collaborations, and more.

**Joint Appointments**

- A joint appointment is an arrangement in which a researcher has formal ties to both INL and a university. These partnerships enhance collaboration, as joint appointees conduct research and development at both home and host institutions.
- Researchers benefit by having access to INL employees, facilities and resources, while working in a university research setting that fosters creativity, entrepreneurship, and access to a broad academic research network.

**Office of Science Programs**

- Through the DOE Office of Science programs for Workforce Development for Teachers and Scientists (WDTS), INL participates in the Visiting Faculty Program (VFP). This program seeks to increase the research competitiveness of faculty members and their students at institutions historically underrepresented in the research community in order to expand the workforce vital to the DOE mission areas.

Learn more about partnering with INL at [Partnering with INL - INL](#)
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.