

Pacific Northwest National Laboratory 2022 Update

February 18, 2022

Steven Ashby Laboratory Director



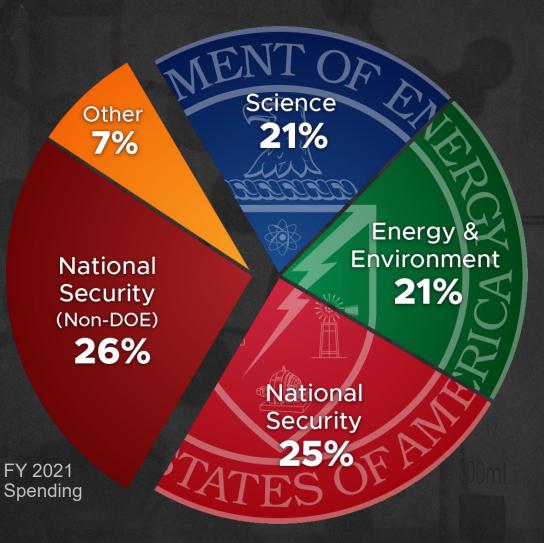
PNNL is operated by Battelle for the U.S. Department of Energy

PNNL-EX-10282





PNNL is one of DOE's **most diverse national laboratories**









1,755 Peer-reviewed Publications



247 Invention Disclosures



Northwest

Anticipating emerging national needs

New catalysts to efficiently convert plastic waste into valuable fuels and chemicals



Integrated climate-energy system modeling for decarbonization



Energy storage innovations for next-generation batteries and connected vehicles



Artificial intelligence to speed biothreat detection



Pacific Northwest

Partnering for success



Connected Communities (Spokane Eco-District)

Place-based innovation zone



Sustainable aviation fuel (LanzaTech, LanzaJet)





Investing \$1 billion over 10 years to modernize PNNL facilities and infrastructure





IGPP Institutional Investments

- Systems Engineering Building
- Discovery Hall
- General Purpose Chemistry Laboratory
- Engineering and Analysis Building





Energy Sciences Center \$90 MILLION LINE ITEM

ESC





GSL Grid Storage Launchpad \$77 MILLION LINE ITEM





M2Pc

Microbial Molecular Phenotyping Capability EMSL IDENTIFIED AS PREFERRED SC USER FACILITY





RPL

Radiochemical Processing Laboratory \$150 MILLION NNSA-SC MOA





National Security Research Complex

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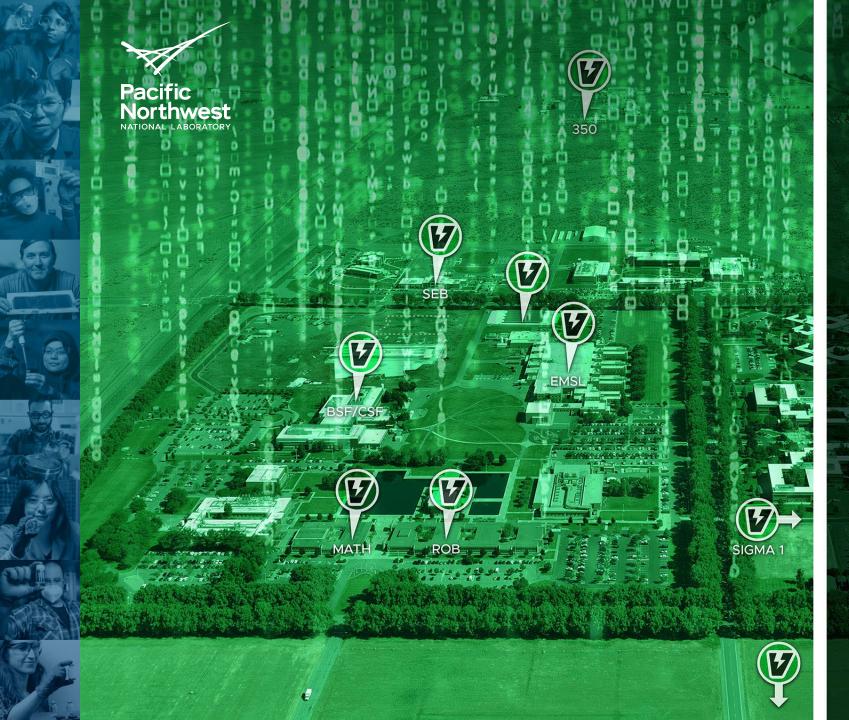
IN PLANNING

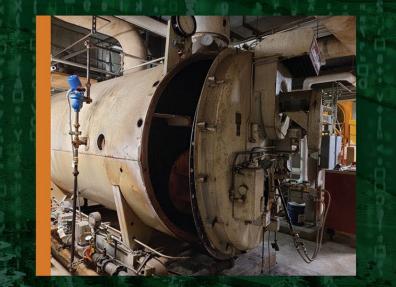




Sequim Marine & Coastal

Research Laboratory IN PLANNING





NZERO

NetZero emissions with energy-resilient operations \$309M REQUEST



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We are proud to be your neighbor!

