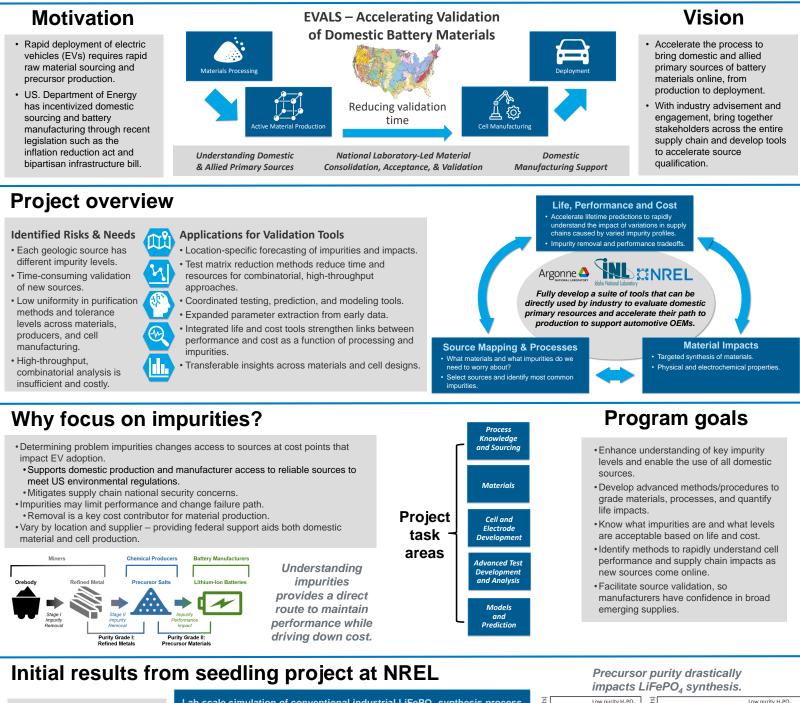
EVALS: <u>Enhanced VAL</u>idation of advanced battery <u>Supply chains</u>

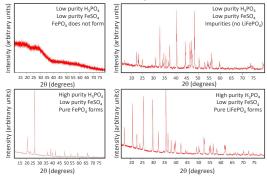
Idaho National Lab: Eric Dufek, Caleb Stetson, Tanvir Tanim National Renewable Energy Lab: Anthony Burrell, <u>Katharine</u> Harrison, Byan Brow, Trover Martin, Drow, Paroira, Poter Wes <u>Harrison</u>, Ryan Brow, Trevor Martin, Drew Pereira, Peter Weddle **Argonne National Lab**: Jack Vaughey, Andrew Jansen



- LiFePO₄ is attractive for US domestic manufacturing due to low cost, safety, and the absence of Co and Ni.
- LiFePO₄ battery production announced for many planned domestic gigafactories.^{1,2}
- LiFePO₄ chosen as an example material for seedling project at NREL and initial work in EVALs.



Next will expand to introducing targeted impurities based on source analysis.



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1. https://techcrunch.com/2024/07/20/tracking-the-ev-batteryfactory-construction-boom-across-north-america/ 2. https://cen.acs.org/energy/energy-storage-/Lthium-ironphosphate-comes-to-America/101/14

