



Building Batteries: it's not Magic, it's Electrochemistry!



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Scientists and engineers at PNNL are working together to build better batteries by studying the science behind how they work. Batteries are electrochemical energy storage solutions. Understanding how batteries work allows scientists to fine tune the properties of the batteries to better meet society's needs. We can change the chemistry, materials, and design to build batteries that perform for specific applications – from powering personal electronic devices to storing electricity from renewable energy sources like wind and solar.



The goal of PNNL researchers is to develop large-scale stationary batteries to support a more cost-effective, efficient and sustainable electric grid. Large-scale batteries could store power that is generated intermittently by renewable sources so power could be used later when needed. Battery research at PNNL will help us enable the “power” of batteries for electric grid-level application.



For more information, visit:
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**Is all energy storage
the same?**

**What is
electrochemistry?**

**How do batteries
work?**

**Why is it important to
build better
batteries?**