

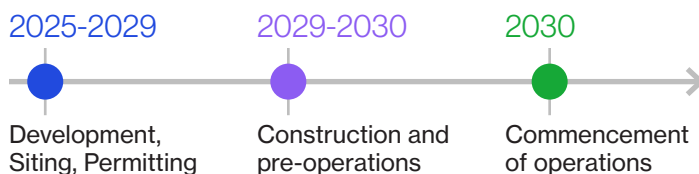
Hoytdale Energy Storage



AES' Hoytdale Energy Storage project is a planned battery energy storage project in Beaver County, Pennsylvania. We are committed to responsible clean energy development that creates long-term value and positive impact for both the environment and local communities.

The Hoytdale project is transforming a legacy mine site in Big Beaver Borough into a clean energy infrastructure asset that will strengthen grid reliability across Western Pennsylvania. This facility will remediate an abandoned surface mine while delivering critical energy storage capacity to meet the region's growing power demands. The facility incorporates AES advanced safety specifications – including redundant battery management systems, gas detection, liquid cooling, and direct-injection fire suppression. Construction will create local jobs, generate new tax revenue for schools and essential services, and restore previously unproductive land to its beneficial use.

Estimated project timeline



About AES

Founded in 1981 and proudly headquartered in Arlington, Virginia, The AES Corporation (AES) is a Fortune 500 global energy company and leading renewable energy developer, delivering innovative and impactful solutions that are tailored to meet the energy needs of our customers and communities today and in the future.

For more information, visit:
<http://aes.com/Hoytdale-BESS>

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Project overview



150 MW Bess



Capable of powering approximately 112,000 homes for four hours at a time, charged and ready to dispatch during peak demand periods



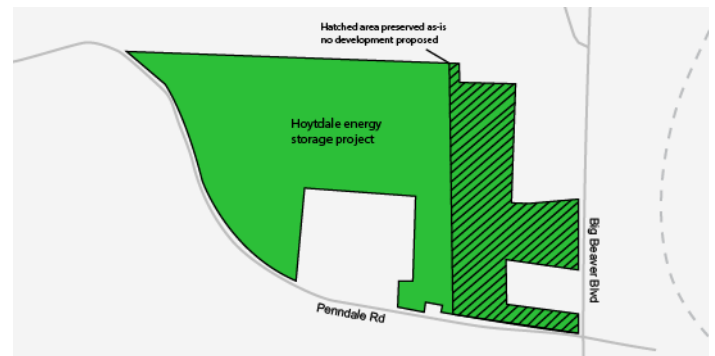
Approximately 30 jobs are expected to be created during peak construction, and an estimated 1-3 long-term operations and maintenance jobs



Several million expected to be generated in new tax revenue for Beaver County and Big Beaver Borough over the life of the project to support local schools, infrastructure and services. Local schools will receive approximately 64% of the total tax revenue

Partnering with communities for the future of energy

At AES, we understand that our success as a company is only as strong as our partnerships with the communities where we operate. That's why we partner with communities, customers, state agencies, higher education, elected officials, and other key stakeholders to understand how we can best work together to support sustainable social and economic development that complements the local geography and unique culture, to improve lives and build stronger communities. We believe in being a good neighbor, ensuring responsible clean energy development that benefits both the environment and local communities without burdening existing infrastructure.





150 MW

Hoytdale's planned capacity – enough to support tens of thousands of regional homes at peak



90%

Drop in grid-scale battery costs since 2010, making storage now competitive with new gas plants



13

U.S. states in PJM's grid territory – all of which benefit from more storage on the network



PJM has warned of **growing capacity** shortfalls in Western PA.

Hoytdale is part of the solution

Understanding **energy storage**

A 101-guide – and what it means for western Pennsylvania

Why does our **electric grid** need storage now?

The U.S. electric grid was built several decades ago to produce and deliver power instantly, with no way to save the excess. Grid operators like PJM, which manages electricity for 13 states including Pennsylvania, are already flagging reliability shortfalls in the coming years as demand continues to rapidly expand; energy storage is one of the most affordable and efficient tools to address this quickly growing issue.

Energy storage isn't new technology – it's proven infrastructure. Hoytdale puts it to work cleaning up a legacy mine while keeping Western Pennsylvania's grid reliable for the long term.

Common concerns **through facts**

Concern:
"These batteries catch fire."

Research:

Like many energy technologies, battery storage carries risks that are taken seriously. Today's grid scale storage systems use lithium iron phosphate (LFP) battery chemistry, which is significantly more stable and less prone to thermal events than common household batteries. The Hoytdale facility is designed with multiple layers of safety, including gas detection, automatic fire suppression, 24/7 remote monitoring, and coordination with the local fire department, including training prior to becoming operational.

Concern:
"It will hurt property values."

Research:

Research on energy storage facilities does not show a consistent pattern of negative effects on surrounding property values. At Hoytdale, the nearest residences are separated from the site by hundreds of feet of mature tree canopy and a high-voltage transmission corridor, a very different condition from facilities sited next to neighborhoods. The site is an abandoned mine, and restoring it to productive use is the stronger driver of local property values, not a threat to them."

Concern:
"This will bring heavy traffic and industrial noise."

Research:

Once construction is complete, there is no ongoing industrial activity. No fuel deliveries, no trucks, no smokestacks. The facility is monitored remotely and staffed minimally. It operates more quietly than most light manufacturing already present in the region.