

Alternative Clean Energy Center – Ohio Valley University

<https://www.ovu.edu/2014-07-15-17-15-50/2016-news-releases/459-ohio-valley-university-to-build-alternative-clean-energy-facility.html>

Coal can indeed be a clean energy source and Ohio Valley University in Vienna, West Virginia is doing something to let the world know about it.

The faith-based liberal arts college has initiated development of an innovative, commercial scale Alternative Clean Energy (ACE) training center to be headed up by Jeff Dimick, Executive Vice President of Ohio Valley University (www.ovu.edu).

The facility is scheduled to be operational in late 2018 and is designed to utilize about 600 tons of coal per day, producing up to 3,000 barrels of liquids a day. The site will produce mixed alcohols (ethanol and methanol), along with other energy-related byproducts through patented processes utilizing coal as the primary feedstock. The facility will produce fuels, hydrogen and electricity and capture carbon dioxide (CO₂). The project integrates multiple existing technologies into a single facility to demonstrate the commercial viability of clean energy from coal.

Waste heat from the facility will be used to produce electricity. Discussions are underway to create a laboratory in conjunction with the West Virginia Geological and Economic Survey for research and education in the recovery of Rare Earth Elements from coal ash sources. An additional research opportunity relates to Enhance Oil Recovery (EOR) utilizing old oil wells located in the Ohio River Valley.

It's expected the facility will create 60 new jobs and have a favorable impact on the local West Virginia economy which has been negatively impacted by the recent decline in coal production. OVU currently offers a baccalaureate degree in Energy Management and Production Engineering; students will have an opportunity to intern at the ACE facility.

OVU retained Fluor Corporation to provide initial technical engineering services in development of the ACE facility. TCG Global, LLC is also a principal in the project, providing a gasifier to produce clean syngas from coal.



Alternative Clean Energy
OHIO VALLEY UNIVERSITY