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WHAT IS ARIPPA?

The Appalachian Region Independent Power Producers Association (ARIPPA) is a non-profit trade association comprised of mine land reclamation facilities located in Pennsylvania, Virginia, and West Virginia that use coal refuse as a primary fuel to produce electricity. Utilizing circulating fluidized bed (CFB) boiler technology to convert coal refuse into electricity, ARIPPA plants also provide unique multimedia environmental benefits by combining the production of energy with the removal of polluting coal refuse piles and reclamation of the historic mining lands to create green space or other productive purposes.

WHAT MAKES THE ARIPPA MEMBER FACILITIES UNIQUE AND VALUABLE?

- ARIPPA member facilities provide the premier, cost-effective solution to the serious land, water and air pollution problems, as well as health and safety issues, associated with legacy coal refuse piles. This is accomplished by removing, remediating and reclaiming mining-affected land and converting historic coal mining waste into marketable energy to recover associated costs.
- Most of the energy generated by ARIPPA member facilities is sold in the PJM wholesale energy and capacity markets, where competitive rate pricing has been undermined by flawed policy decisions by the federal government and many participating states.
- Electricity from coal refuse-fired plants is recognized as a qualifying alternative energy resource in Tier 2 of Pennsylvania's Alternative Energy Portfolio Standards (AEPS) program.
- To date, the plants that make up Pennsylvania's coal refuse industry have removed and burned as fuel more than 230 million tons of coal refuse, restored or improved more than 1,200 miles of streams, and reclaimed over 7,200 acres of land. At peak operations, this industry can remove on average nearly 10 million tons of coal refuse and reclaims up to 200 acres per year.

As of June 2022, there are currently **10** operating CFB combustion units that utilize coal refuse as a primary fuel source, inject limestone in the combustion zone for the control of sulfur dioxide gases, and beneficially utilize CFB ash in **Pennsylvania**. There are also **4** coal refuse energy generation facilities located elsewhere in the United States - **Virginia** (1), **West Virginia** (1), **Montana** (1), and **Utah** (1). All plants are listed on the next page.

	Pennsylvania CFB Coal Refuse Facilities	County	MW Net Capacity - Fuel Type
1	Colver Green Energy LLC	Cambria	111 Bituminous
2	Ebensburg Power Company	Cambria	50 Bituminous
3	Gilberton Power Company (John B. Rich Memorial Power Station)	Schuylkill	80 Anthracite
4	Mt. Carmel Cogen	Northumberland	43 Anthracite
5	Northampton Generating Company, LP	Northampton	112 Anthracite
6	Panther Creek Power Operating, LLC	Carbon	80 Anthracite
7	Rausch Creek Generation, LLC	Schuylkill	33 Anthracite
8	Schuylkill Energy Resources (SER - St. Nicholas)	Schuylkill	80 Anthracite
9	Scrubgrass Generating Company, LP	Venango	83 Bituminous
10	Seward Generation LLC	Indiana	521 Bituminous
		Total PA MW	1,193

	Out of State CFB Coal Refuse Facilities	County	MW Net Capacity - Fuel Type
1	Virginia City Hybrid Energy Center	Wise, VA	610 Bituminous
2	American Bituminous Power Partners LP	Marion, WV	80 Bituminous
3	Rosebud Colstrip Energy LP	Rosebud, MT	39 Bituminous
4	Sunnyside Cogeneration Associates	Carbon, UT	60 Bituminous
		Total Out of State MW	789
		Total US Coal Refuse MW	1,982

Sources:

ARIPPA Survey (2018)

Electric Power Outlook for Pennsylvania 2015-2020, PA PUC, http://www.puc.state.pa.us/General/publications_reports/pdf/EPO_2016.pdf

Permit Technical Review Document, Montana DEQ, <https://deq.mt.gov/Portals/112/Air/AirQuality/Documents/ARMpermits/TRD2035-03.pdf>

SCA #2 CCR Certified Dust Control Plan, Sunnyside Cogeneration Facility, <http://www.sunnysidecogeneration.com/ccr-data.html>

Virginia City Hybrid Energy Center, Dominion Energy, <https://www.dominionenergy.com/projects-and-facilities/coal-and-oil-facilities/vchec>