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WHAT IS ARIPPA?

- The Appalachian Region Independent Power Producers Association (ARIPPA) is a non-profit trade association comprised of electric generating plants located in Pennsylvania 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 coal refuse piles and reclamation of the land for 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 coal refuse piles. This is accomplished by removing, remediating and reclaiming coal refuse piles and converting that coal refuse 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 federal policy decisions.
- Electricity from coal refuse-fired plants is recognized as a qualifying alternative energy resource in Pennsylvania's Alternative Energy Portfolio Standards (AEPS) program.
- To date, the Pennsylvania coal refuse reclamation to energy industry has removed and used as fuel more than 225 million tons of coal refuse, restored or improved more than 1,200 miles of streams, and reclaimed over 7,200 acres of mine scarred land. When running at near full capacity, the plants in Pennsylvania can remove more than 10 million tons of coal refuse and reclaim over 200 acres per year.

As of October 2020, 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 **3** coal refuse energy generation facilities located elsewhere in the United States - **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	American Bituminous Power Partners	Marion, WV	80 Bituminous
2	Rosebud Colstrip Energy LP	Rosebud, MT	39 Bituminous
3	Sunnyside Cogeneration Associates	Carbon, UT	60 Bituminous
		Total Out of State MW	179
		Total US Coal Refuse MW	1,372

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>