

Power Generation

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The logo for Appalachian Power, featuring the words "APPALACHIAN POWER" in a bold, white, sans-serif font. The text is enclosed within a red, irregularly shaped outline that resembles a stylized mountain range or a power line path. A small "SM" trademark symbol is located to the right of the word "POWER".

**APPALACHIAN
POWER**SM

An **AEP** Company

October 24, 2023

Power Generation in Appalachian Power



Coal-Fired Plants

- **5.2 million tons** used in 2022*
 - **\$336 million**
- **\$375 million investment** in environmental controls keeps plants compliant with current EPA rules through 2040

Natural Gas Plants

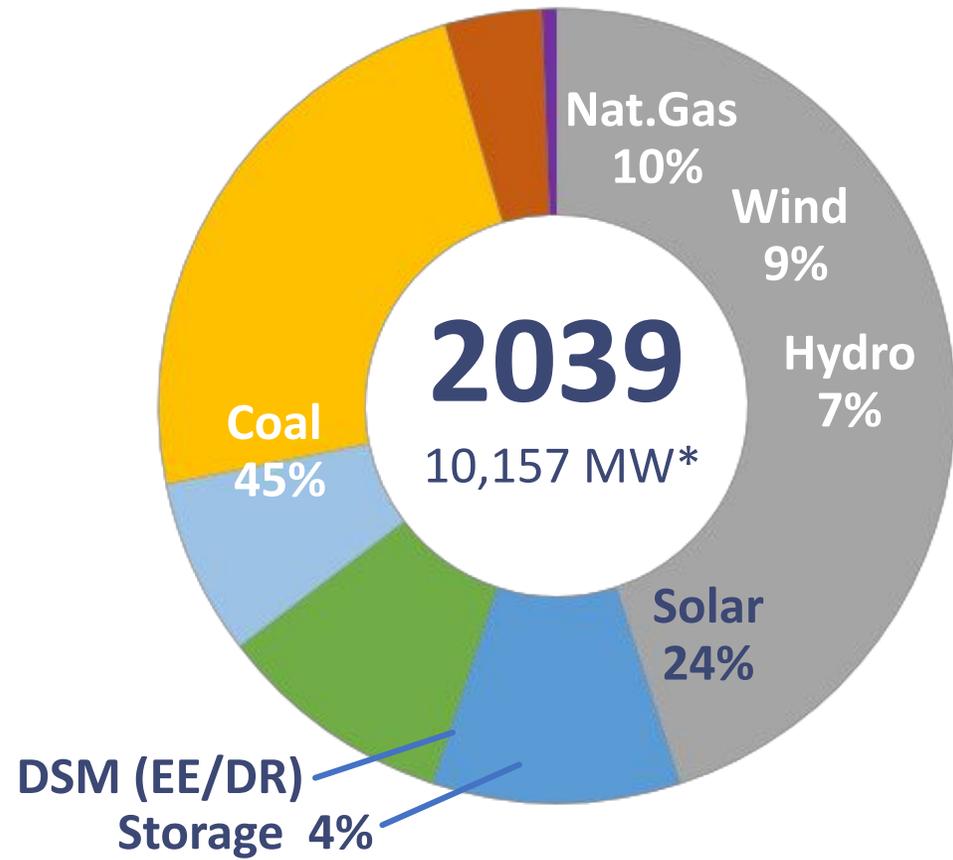
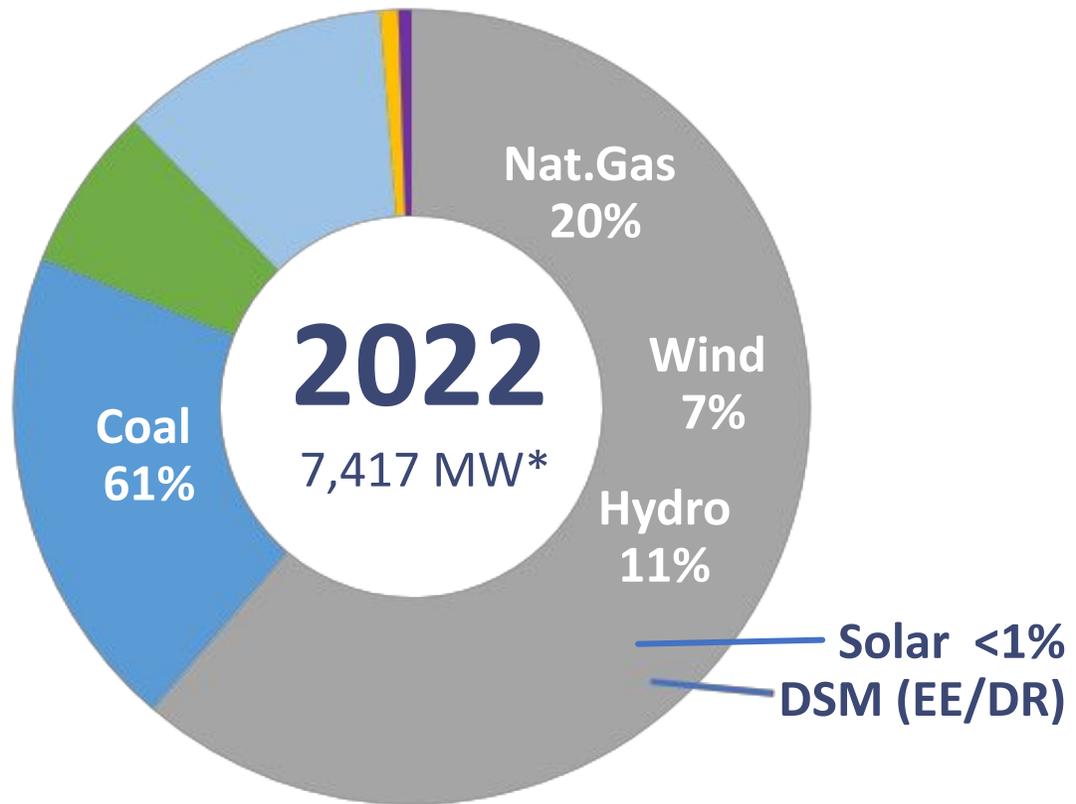
- **34.5 Bcf** used in 2022
 - **\$237 million**



* 4.2 million tons of W.Va. sourced coal purchased for APCo plants in 2022

Generating Capacity Forecast

Where we're headed

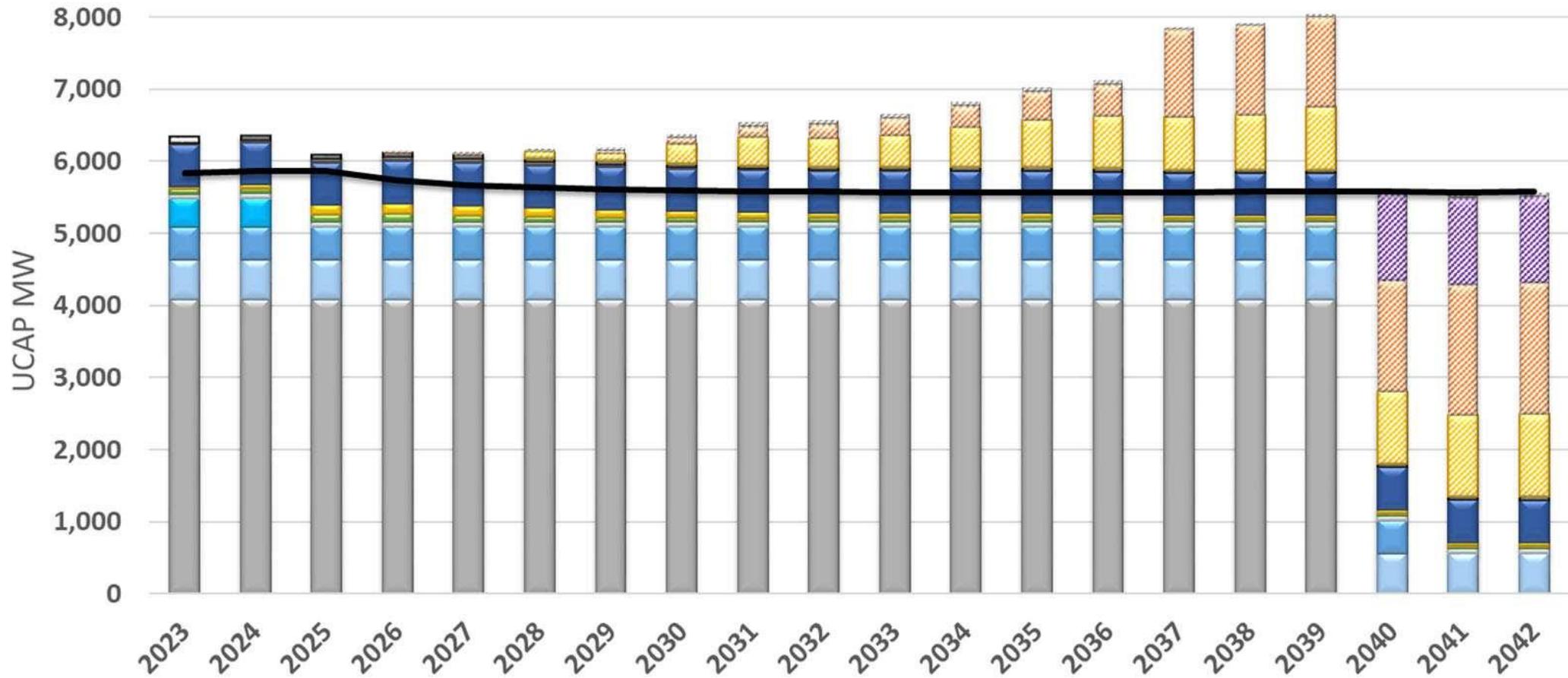


* Nameplate capacity

Source: Appalachian Power March 2023 RPS Plan filing to Virginia State Corporation Commission

Generating Capacity Forecast

Where we're headed



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Challenges and Opportunities Power Generation



Challenges

- Environmental regulations on coal and gas generation
- CCS regulation or legislation
- Fuel volatility

Opportunities

- Replacement Generation
 - Gas, SMRs, other