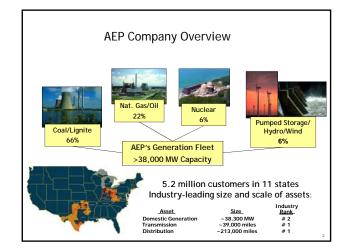
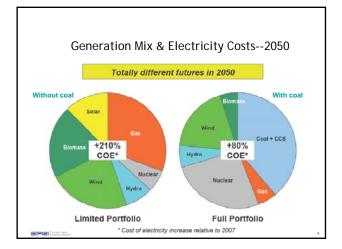
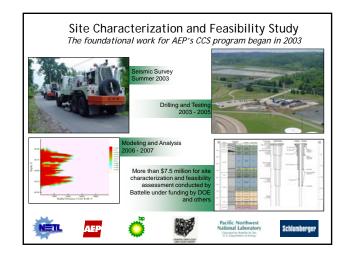
American Electric Power's Carbon Sequestration and Storage Project, Mountaineer Power Plant New Haven, WV

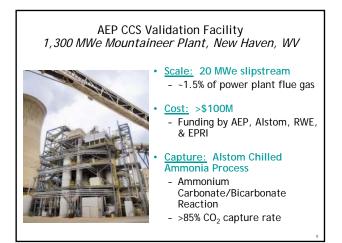
February 8, 2011

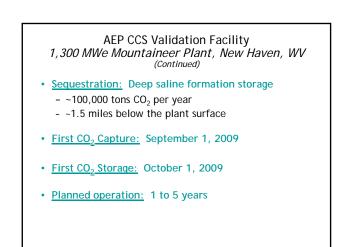
Elizabeth Gunter Senior Counsel

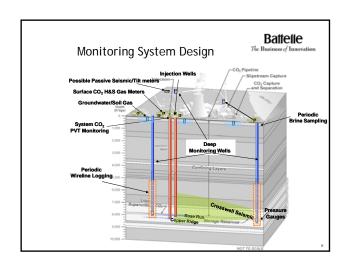


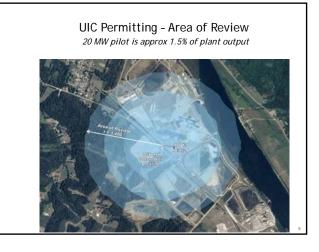


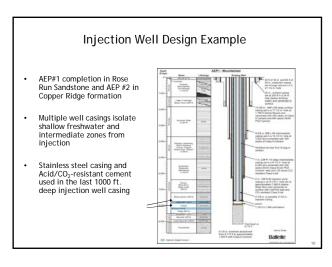


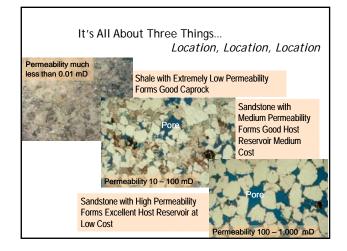


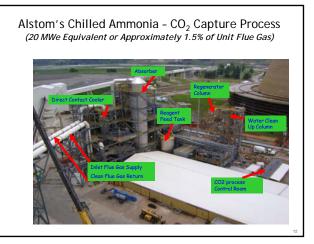




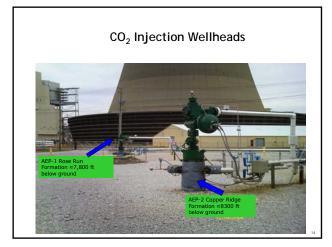


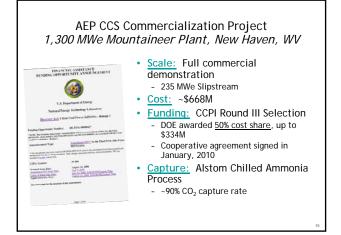












AEP CCS Commercialization Project 1,300 MWe Mountaineer Plant, New Haven, WV (Continued)

- Sequestration: Battelle is Storage Contractor - Deep saline reservoirs

 - ~1,500,000 tons CO₂ per year - ~1.5 miles below the surface
 - Pipeline system with off-site wellheads
- Geologic Experts Advisory Group
 - Battelle, Schlumberger, CONSOL, MIT, Univ. of Texas, Ohio State, WVU, LLNL, WV Geo. Survey, OH Geo. Survey, & WV DOE
- <u>Planned Operation</u>: Startup in second half of 2015