

**DOCKET NO. E-100, SUB 179**

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**ATTACHMENT D**

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### Appalachian Voices List of Substantive Issues That Should be Subject of Expert Witness Hearing

1. Will the Companies' failure to address energy affordability through targeted energy efficiency, distributed energy and demand response investments increase total energy costs and increase energy burdens for all customers?
2. Have the Companies failed to sufficiently include the entire spectrum of demand side options, including energy efficiency, rooftop solar, and battery storage as additional sources of energy supply and demand reduction, to achieve the least cost mix and meet the 2030 goal of a 70% reduction in carbon emissions?
3. Have the Companies underestimated the risks and costs of new natural gas-dependent energy generation, including fuel energy volatility and impacts of methane emissions?
4. Have the Companies failed to sufficiently balanced solar and wind portfolios to reduce or eliminate the need for additional peak energy generation?
5. Have the Companies failed to sufficiently utilize solar, offshore wind, and demand-side resources to reduce or eliminate the need for additional gas generation?