

## Karan Pol

### Consultant

Karan provides economic analysis and regulatory services to a broad range of clients including regulatory staff and utilities. His work supports infrastructure investment decisions, market design, and electricity supply and demand forecasting. He brings experience in electricity policy, utility regulation and rates, econometric/statistical modeling, and economics.

## SELECTED PROFESSIONAL EXPERIENCE

### *Regulatory economics*

- Analyzed econometric modeling and model review methodologies for the load forecast and capacity expansion plan for Newfoundland Labrador Hydro.
- Monitored and advised on the development of extended day-ahead markets in CAISO and SPP for a clean energy association.
- Monitored and advised on Capacity Market Reforms in PJM for the East Kentucky Power Cooperative.
- Research, technical analysis, and testimony development across multiple subject areas and jurisdictions, including 18 cases for 4 public service commissions. Evaluated utility filings, drafted data requests, and assessed customer impacts of infrastructure investments and ratemaking filings.
  - Arkansas Public Service Commission
    - Dkt 07-044: Cost of gas prudence and extraordinary costs incurred during Winter Storm Uri. Associated with Summit Utilities.
    - Dkt 07-045: Cost of gas prudence and extraordinary costs incurred during Winter Storm Uri. Associated with Black Hills Energy, Arkansas.
    - Dkt 07-046: Cost of gas prudence and extraordinary costs incurred during Winter Storm Uri. Associated with Arkansas Oklahoma Gas Corporation.
    - Dkt 09-090: Assessment of the customer impact and utility of third-party demand response aggregation.
    - Dkt 13-111: Prudence of cost of electricity and extraordinary costs incurred during Winter Storm Uri. Associated with Empire District Electric Company (Liberty-Empire).
    - Dkt 15-015: Prudence of cost of electricity and extraordinary costs incurred during Winter Storm Uri. Associated with Entergy Arkansas.
    - Dkt- 16-052: Prudence of cost of electricity and extraordinary costs incurred during Winter Storm Uri. Associated with Oklahoma Gas and Electric Company.

- Dkt 21-070: Prudence of cost of electricity and extraordinary costs incurred during Winter Storm Uri. Associated with the Southwestern Electric Power Company.
- Dkt 22-065: Review of a certificate of Public Convenience and Necessity to Operate. Associated with the John W. Turk Jr Power Plant.
- Dkt 22-082: Review of renewable PPAs and a tariff approval. Associated with two renewable projects for Entergy Arkansas.
- Dkt 23-006: Prudence of cost of electricity incurred during Winter Storm Uri. Associated with the Arkansas Electric Cooperative Corporation.
- Dkt 24-016: Review of a proposed deployment of Advanced Metering Systems by Southwestern Electric and Power Company.
- Dkt 24-044: Review of a proposed Capacity Purchase Agreement proposed by Southwestern Electric Power Company.
- Dkt 24-052: Reviewed of a proposed Certificate for Public Convenience and Necessity proposed by Southwestern Electric Power Company.
- Dkt. 24-072: Review of a Certificate of Environmental Compatibility and Public Need proposed by Entergy Arkansas.
- Connecticut Public Utilities Regulatory Authority
  - Dkt 23-01-03: Prudence and accounting review of a Rate Adjustment Mechanism. Associated with Eversource/Connecticut Light & Power and United Illuminating.
- Georgia Public Service Commission
  - Dkt 55378: Expert testimony regarding the Company's revised load forecast, including the probabilistic modeling of large load customers such as datacenters. Additionally reviewed the economic analysis associated with a 500 MW BESS.
- Utah Public Service Commission/Division of Public Utilities
  - Dkt 24-034-04: Expert testimony regarding Rocky Mountain Power's proposed load forecast, focused on the review and adjustment of econometric models used to estimate load growth.

### ***Procurements and portfolios***

- Analyzed and connected four municipalities/cooperatives to funding under the Inflation Reduction Act associated with the New ERA program, expanded production/investment tax credits, and new bonus tax incentives.
  - Concordia Electric Cooperative
  - Massachusetts Port Authority
  - PC Electric Cooperative
  - Southwest Louisiana Electric Membership Corporation
  - Woodsville Water & Light District

### ***Clean energy***

- Performed a full system needs analysis toward the development of a long-term power-system investment forecast for an economic research group. This analysis identified the total generation, transmission, and distribution investment necessary to meet reliability needs and clean energy standards in the United States.
- Collected and analyzed equitable performance data for 41 rural electric cooperatives in the state of Georgia on behalf of the Partnership for Southern Equity, in collaboration with Appalachian Voices. Analysis found that Georgia co-operatives do not have adequate financial support for vulnerable families, strong member control of election, and weak overall democratic governance.
- Developed internal life-cycle analysis tools to analyze product-market fit for small modular nuclear power plants across 40+ energy-intensive industries.
- Performed cost-benefit analysis for advanced nuclear development in South America and Eastern Europe for Minister-level clientele.

## EMPLOYMENT HISTORY

|  |                |
|--|----------------|
| <b>Daymark Energy Advisors, Inc.</b>   | Worcester, MA  |
| <i>Consultant</i>                      | 2025–Present   |
| <i>Senior Analyst</i>                  | 2023–2025      |
| <i>Analyst</i>                         | 2023           |
| <b>Partnership for Southern Equity</b> | Atlanta, GA    |
| <i>Policy Manager, Energy</i>          | 2022–2023      |
| <b>Last Energy</b>                     | Washington, DC |
| <i>Research Manager</i>                | 2021–2022      |
| <b>Energy Impact Center</b>            | Washington, DC |
| <i>Research Analyst</i>                | 2021–2022      |

## EDUCATION

|                                       |            |
|---------------------------------------|------------|
| <b>The University of Georgia</b>      | Athens, GA |
| <i>Master of International Policy</i> | 2021       |
| <b>The University of Georgia</b>      | Athens, GA |
| <i>B.A., Economics</i>                | 2021       |

## PUBLICATIONS, PRESENTATIONS & TESTIMONY

### *Expert Testimony*

| <b>FORUM</b>                      | <b>ON BEHALF OF</b>                        | <b>TOPIC</b>   |
|-----------------------------------|--|--|
| Utah Public Service Commission    | Division of Public Utilities               | Expert testimony regarding Rocky Mountain Power's proposed load forecast, focused on the review and adjustment of econometric models used to estimate load growth. <u><a href="#">Docket 24-034-04</a></u> |
| Georgia Public Service Commission | Georgia PSC Public Interest Advocacy Staff | Georgia Power Company's 2023 Integrated Resource Plan Update. <u><a href="#">Docket No. 55378</a></u>  |