

## Education and Work Experience for Jamie Barber

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### Education

University of West Georgia  
Master of Business Administration-Finance  
August 2009  
West Georgia College  
Bachelor of Business Administration—Accounting  
August 1991

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### Experience

#### Georgia Public Service Commission

Manager Energy Efficiency and Renewable Energy Group 10/13 To Present

*ARRA Manager*-Internal Consultants, Utilities Division 1/10 To 9/13

- Responsible for the oversight of the group within the Internal Consultants Section.
- Project Leader for issues related to Energy Efficiency and Renewable Energy.
- Project Leader for the implementation of Georgia Power Company's Large Scale Solar Offering, Advanced Solar Initiative, Advanced Solar Initiative Prime, and REDI Programs.
- Project Leader for the Certification of 250 megawatts of wind resources.
- Facilitator of the Demand Side Management Working Group.
- Responsible for maintaining awareness of Marginal Rate Offerings of Georgia Power Company.
- Review of Proxy Qualifying Facilities Contracts with Georgia Power.
- Review of Renewable Requests for Proposals and Pro Forma Power Purchase Agreements.
- Responsible for the Commission oversight of the Automated Meter Infrastructure (AMI) Implementation for Georgia Power and addressing customer inquiries related to the safety of AMI meters.
- Responsible for maintaining awareness of the status of Georgia Power providing online customer access to usage data.
- Responds to inquiries relating to net metering, distributed generation, AMI, energy efficiency programs, smart grid, and other related matters.
- Review of Georgia Power Company's Prepay Tariff and implementation of program.

#### Georgia Public Service Commission

10/98 To 1/2010

##### *Utilities Analyst*-Natural Gas Section, Utilities Division

- Responsible for maintaining awareness of Base Rates and Rules and Regulations for Atlanta Gas Light Company and Atmos Energy Corporation.
- Review of Negotiated Contracts of Atmos Energy Corporation.
- Maintains Commission contact of assigned certificated marketers.
- Responds to inquiries about Natural Gas Deregulation and other Atlanta Gas Light Billing issues.
- Review the Dedicated Design Day Capacity allocation and Recalculation used by Atlanta Gas Light Company.
- Review of Performance-Based Regulation program of Atmos Energy Corporation.
- Filed and presented testimony regarding Atlanta Gas Light Company's Purchased Gas Costs and Revenues.
- Responsible for the auditing of Purchased Gas Costs of Atlanta Gas Light Company.
- Filed and presented testimony on rate design in Atlanta Gas Light Company Earning's case.
- Project Leader for the auditing of the Pipeline Replacement Program for Atmos Energy for compliance with Commission Order.
- Project Leader for the auditing of Sequent Energy Management.

- Responsible for tracking compliance with the Marketer Service Quality Standards.
- Project leader for Atmos Energy Gas Supply Plan.

**Georgia Public Service Commission**

10/97 To 10/98

*Utilities Analyst Trainee*-Gas Section, Utilities Division

- Performed detailed rate analysis that was used in determining base rates for Atlanta Gas Light Company.
- Filed and presented testimony in the United Cities Gas Company's 1998-99 Gas Supply Plan.
- Reviewed marketer applications for certification for financial competence.
- Reviewed proposed changes to rate schedules and terms of service of Atlanta Gas Light Company and United Cities Gas Company.
- Reviewed monthly filings of United Cities Gas Company's Performance-Based Ratemaking Plan.

**Georgia Public Service Commission**

11/96 To 10/97

*Utilities Analyst Trainee*-Electric Section, Utilities Division

- Project Manager for a series of Electric Restructuring Workshops.
- Reviewed and prepared sections of the Staff Report related to the Electric Restructuring Workshops.
- Reviewed filed proposed changes to rate schedules and terms of service of Georgia Power Company (GPC) and Savannah Electric Company (SEPCO).

**Georgia Public Service Commission**

11/94 To 11/96

*Accountant*-Electric Section, Utilities Division

- Tracked fuel recovery position of Georgia Power Company.
- Reviewed Special Contracts of Georgia Power Company.
- Tracked coal and other fuel prices.
- Participated in IRP review and hearings of GPC and SEPCO.
- Monitored the construction status of combustion turbines for additional capacity needs of GPC and SEPCO.

**Georgia Public Service Commission**

11/93 To 11/94

*Accounting Technician*-Administrative Division

- Responsible for proper classification of Commission expenses.
- Responsible for accounts payable.
- Reviewed Staff Travel Expense Reports.
- Maintained Commission Computer and Vehicle Inventory.

## George A. Brown

### Experience:

#### **Georgia Public Service Commission** (Atlanta, GA) Oct. 2017 – Present

Prepares or assists in the preparation of exhibits, comments, testimony, and interrogatories; serves as expert witness in state and proceedings; and reviews administrative law judge reports and Commission orders for technical accuracy. Interprets state laws and commission rules for agency and industry personnel, and the public. Analyzes utility applications, reports, financial records, and cost studies to make recommendations concerning utility operations, terms, conditions and prices of utility services. Performs activities related to education of the public regarding utility service options through public meetings and hearings, and preparation and distribution of educational materials. Researches and performs comparative analyses of public utility issues.

#### **Sustainable Energy Fund** (Allentown, PA) Sep. 2015 – Jul. 2017

Acted as the chief financial officer for an organization that funded energy efficiency and conservation building system upgrades and renewable energy generation projects for a green bank non-profit in the State of Pennsylvania. Was charged with researching, developing, evaluating, monitoring and closing business opportunities that meshed with the mission and strategy of the organization. Provided deal structure information and requirements to prospective borrowers. Managed multiple projects through to completion under tight deadlines with minimal supervision. Represented organization at various speaking events. Identified industry trends, emerging technologies, governmental regulation changes and or issues related to renewable energy technology. Built relationships, lead negotiations and collaborated with diverse audiences which included, contractors, engineers, State and local officials. Traveled to industry/government/energy related meetings, conferences and seminars.

#### **Quail Energy, LLC.** (Montgomery, AL) Jan. 2013 – Aug. 2015

Acted as the managing partner in a regional renewable energy development corporation. The firm designed, built and operated renewable energy systems for commercial, government, non-profit and educational institutions. Established departmental strategy objectives that supported revenue generation. Responsible for the effective operation of business activities that had a positive impact on the organization. Was responsible for setting and executing departmental strategy, including business development goals, revenue growth and growth and expansion into new technical areas. Was the primary interface of the company with commercial and governmental clients to generate budgets and cost estimates; also negotiated terms and conditions of contracts. Completed the North American Board of Certified Energy Practitioners solar installer course completed in 2013.

#### **Alabama Public Service Commission** (Montgomery, AL) Jan. 2011 – Jan. 2013

Researched and analyzed renewable energy generation technologies including; solar, biomass, geothermal, wind, ocean kinetics, hydrogen fuel cell, battery and compressed air. Electric vehicle technologies and the necessary infrastructure grid changes needed for integration were researched. Carbon capture and sequestration technologies were researched along with the long term environmental impact. Clean coal and municipal solid waste gasification was researched with emphasis on the economic and ecological cost and benefits of each. Specific attention was paid to the feasibility of renewable energy technologies given the natural resources of the

southeastern United States. Energy efficiency techniques like demand response, LEED building technologies, active and passive energy efficiency systems, vehicle fuel economy and fleet management, were researched and evaluated. Analyzed potential security and safety issues associated with smart grid technology and recommended solutions to the Commission. Best practices energy policy was examined with particular attention paid to the political climate that made implementation possible. Roadblocks to renewable energy policy like, unfavorable net metering policy, complicated interconnection rules, legality of third party contracts, state and federal incentives and avoided energy calculations were extensively researched and recommendations were made to The Commission. Deforestation, fossil fuel emissions and other anthropogenic processes were researched and their regional and global meteorological effects were researched and presented to The Commission for policy consideration. Compared Alabama's current/pending electric utility rates with other States; identified the variable options for Alabama that encourage energy efficiency, conservation and the use of distributed generation. Analyzed and prepared financial reports to help the Commission regulate the only investor owned electric utility; Alabama Power Company.

**HT Capital Markets/US Asset Management** (Pittsburgh, PA) Sep. 2007 – Jan. 2011

Worked in a satellite office in Montgomery Alabama as a legislative liaison and relationship manager for an out-of-state investment banking/asset management firm. Built relationships with foundations, pension funds, Taft Hartley clients, municipalities, school boards and other public entities in an effort to have represented firms included in asset management, institutional brokerage and or municipal bond underwriting syndicates.

**George Brown & Associates** (Montgomery, AL) Jun. 2002 – Sep. 2007

Third party marketer and lobbyist for institutional asset managers, brokerage and investment banking firms. Acted as a lobbyist seeking opportunities in Alabama for out of state institutional financial firms. Clients included Rice Financial Services Company (New York, NY), Piedmont Investment Advisors (Durham, NC), and SBK Brooks Investment Corp. (Cleveland, OH), US Asset Management, LLC (Pittsburgh, PA). Also represented early renewable energy policy measures. Renewable energy clients: Granite Bay Energy (Roseville, CA), ET Solar (Pleasanton, CA)

**Securities Capital Corp, Inc.** (Birmingham, AL) Oct. 2001 – Jun. 2002

Registered representative for a local investment banking firm.

**American Express Financial Advisors** (Birmingham, AL) Feb. 1999 - Oct 2001

Registered representative for one of the largest financial services companies in America. Acquired retail clients by marketing to credit card holders, conducting financial education seminars and networking. Conducted client interviews and built referral networks while providing financial advice. Designed comprehensive financial plans by identifying and analyzing client net worth, cash flow, insurance needs, income and estate tax evaluation, risk tolerance, short and long term goals. Fostered client loyalty toward brand and most importantly to the financial planning process.

**United States Coast Guard** (Alameda, CA) Jun. 1991- Jun. 1995

Stationed on the High Endurance Cutter Boutwell. Patrolled the Bering Sea and Aleutian Island chain on search and rescue and fishery missions.

## **Education**

Troy University, BS Banking & Finance

**Benjamin H. Deitchman**

Utilities Analyst  
Georgia Public Service Commission  
244 Washington Street, SW, Atlanta, GA 30334  
bdeitchman@psc.state.ga.us

**Work Experience**

**Georgia Public Service Commission, Atlanta, GA**  
Utilities Analyst, Electric Unit (2016-Present)

- Responsibilities across various areas of electricity policy and regulation, with particular attention to utility rates, energy economics, and demand side management programs.

**Rochester Institute of Technology, Rochester, NY**

Visiting Assistant Professor of Public Policy in the College of Liberal Arts (2013-2014) and Saunders College of Business (2014-2016)

- Courses Taught: Graduate Level: Business Ethics & Corporate Social Responsibility and Policy Evaluation & Research Design. Undergraduate: Organizational Behavior, Foundations of Public Policy, and Values & Public Policy.

**Georgia Tech School of Public Policy, Atlanta, GA**

Evaluation Fellow (2012-2013), Graduate Research Assistant in the Climate and Energy Policy Laboratory (2009-2013)

**National Association of State Energy Officials, Alexandria, VA**

Regional Program Coordinator (2007-2009)

**Other Relevant Employment**

Cultural Relations Intern (Science) at the British Council USA (2007)

Rural Development Intern at the Local Initiatives Support Corporation (2006)

Head of Field Sports and Wilderness Trip Leader at Camp Lincoln (2001-2006)

Intern in the US Senate (2005)

US House of Representatives Page (2000)

**Education**

2009 – 2014

Georgia Institute of Technology, Atlanta, GA

**Ph.D. in Public Policy**

- Dissertation: “Why U.S. States Became Leaders in Climate and Energy Policy: Innovation Through Competition in Federalism.”
- Concentration in Energy and Environmental Policy, Minor in International Affairs.

2005 – 2007

George Washington University, Washington, DC

**Master of Public Administration**

- Environmental Policy and Planning Concentration.
- Earned membership into the *Pi Alpha Alpha* Honor Society.

2001 – 2005

Johns Hopkins University, Baltimore, MD

**B.A. in History**

- Minor in Writing Seminars.
- Graduated *Phi Beta Kappa* with General and Departmental Honors.

**Publications**

Peer Reviewed Book

- Deitchman, B. (2017). *Climate and Clean Energy Policy: State Institutions and Economic Implications*. New York: Routledge.

Peer Reviewed Articles, Chapters, and Proceedings

- Deitchman, B. (2018). Clean Energy and Growth through State and Local Implementation. In *Intergovernmental Relations in Transition: Reflections and Directions*. Stenberg, C.W. & Hamilton, D., eds. New York: Routledge.
- Deitchman, B. (2014). Changing the State of State-Level Energy Programs: Policy Diffusion, Economic Stimulus and New Federalism Paradigms. *Strategic Planning for Energy and the Environment* 33(4).

- Deitchman, R., Pfeckl, C., & Deitchman, B. (2012). Environmental Ethics at Amtrak: From Compliance to Sustainability. *Environmental Practice*, 14(3).
- Deitchman, B., Brown, M., & Baer, P. (2011). Green Jobs from Industrial Energy Efficiency. *Energy Productivity in Industry: Partners and Opportunities*, 2011 American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Industry. Washington, DC: ACEEE.
- Deitchman, B. (2006). A March of Nickels and Dimes for Recycling. *The Current: The Public Policy Journal of the Cornell Institute of Public Affairs*, 10(1).

#### White Papers

- Deitchman, B., Brown, M., & Wang, Y. (2012). Making Buildings Part of the Climate Solution with Flexible Innovative Financing. Georgia Tech School of Public Policy Working Paper #73.
- Deitchman, B. (2011). Energy Efficiency and Conservation Block Grants in Georgia: Opportunities for Growth through Local Government Energy Savings. Atlanta, GA: Enterprise Innovation Institute.
- Brown, M., Jackson, R., Cox, M., Cortes, R., Deitchman, B., & Lapsa, M. (2011). *Making Industry Part of the Climate Solution*. Oak Ridge, TN: Oak Ridge National Laboratory.

#### Conference Paper Presentations

- Deitchman, B. (2016). The World's Subnational Clean Energy Policy Tools: A Comparison of Political and Economic Options for States in Federalist Systems. American Society for Public Administration, March 2016.
- Deitchman, B. (2015). Jobs, Jobs, Jobs: Energy Efficiency and Growth through State and Local Implementation. Deil Wright Symposium March 2015.
- Deitchman, B. (2014). Laboratories of Opposition: States as Leaders in American Climate Policy. Northeast Conference on Public Administration (NECOPA), November 2014.
- Deitchman, B. (2014). Beyond Recovery- Policy Options for Energy Efficiency Financing. World Energy Engineering Congress, October 2014.
- Deitchman, B. (2014). The Impact of the Recovery Act on Narrowing the Adoption Gap in State Climate and Clean Energy Policy. American Society for Public Administration, March 2014
- Deitchman, B. (2014). Policy Implementation Entrepreneurs: A Review and Case Study of Constrained Programmatic Innovation. Southern Political Science Association, January 2014.
- Deitchman, B. (2014). Setting the Agenda for Competitive Innovation: Gubernatorial Climate and Clean Energy Policy 2001-2012. Southern Political Science Association, January 2014.
- Kingsley, G., Deitchman, B., & Boyer, E. (2013). Comparisons and Adaptations of Policy Tools for Innovation and Reform in Science Education Class. Midwest Political Science Association, April 2013.
- Deitchman, B. (2012). Changing the State of State-Level Energy Programs: Policy Diffusion, Economic Stimulus and New Federalism Paradigms. World Energy Engineering Congress, November 2012.

#### Columnist Position

- *The PA Times*, American Society for Public Administration.

#### Honors and Awards

- New Professional Scholarship, Association of Energy Services Professionals (2017).
- Selected Participant, American Society for Public Administration International Young Scholars Workshop (2015).
- William H. Read Award for academic excellence and service from the Georgia Tech School of Public Policy (2011).
- TVA Scholarship, American Council for an Energy Efficient Economy Summer Study on Energy Efficiency in Industry (2011).

#### Additional Leadership Experience, Professional Memberships, and Interests

- Member of the American Society for Public Administration (Treasurer of the Greater Rochester Chapter 2015-2016).
- Founding President of the Public Policy Graduate Students Association at Georgia Tech (2009-2011).
- Volunteer: Trees Atlanta, United Way of Greater Atlanta.
- Marathon runner, recreational athlete and referee, and experienced mascot.



## Stan Faryniarz, CEP

### Principal Consultant

Stan Faryniarz advises clients on matters regarding power procurement, power supply planning and regulated cost recovery, pricing and rate design. He is the primary advisor to clients with power supply portfolios totaling approximately 300 MW and over \$200 million in annual spend. Mr. Faryniarz has testified before state and provincial regulatory agencies on issues including cost of service and rate design, general rate case applications, integrated resource planning, power project regulatory approvals, and PURPA, net metering and grid modernization policies. He holds a BA in Economics and MPA (Finance and Managerial Economics concentration) from the University of Vermont, and the Certified Energy Procurement (CEP) Professional designation from the Association of Energy Engineers.

## SELECTED PROFESSIONAL EXPERIENCE

### *Cost Allocation & Rate Design*

- For the Stowe Electric Department in Vermont, led a team that prepared a load research study based on smart meter data, developed custom cost allocators using this load research, prepared a comprehensive allocated cost of service study (ACOSS) reflecting customer class consolidation, and designed a voluntary seasonal time-of-use (TOU) rate and a critical peak pricing (CPP) rate; offered supporting testimony before the Vermont Public Utility Commission (Docket 8463) and gained approval from the VT Department of Public Service (DPS) and PUC without changes. Led a team that sponsored Stowe's most recent rate case, currently pending, Case No. 18-2372-TF.
- Prepared and sponsored testimony in over a dozen cost of service, cost allocation, rate design, and special contracts proceedings, as well as three demand elasticity studies, for numerous electric and water companies in Maine, Pennsylvania, Rhode Island, Utah, New Hampshire and Vermont
- Supported the Manitoba Public Utilities Board (PUB) in its comprehensive review of the most recently filed Manitoba Hydro cost of service study (COSS) and methodology
- For Amtrak, developed special contracts and tariffs in eight different utility service territories from Washington D.C. to Boston since Amtrak electrified its north end high speed rail system beginning in 1999. Each of these custom agreements reflected the unique characteristics of Amtrak's moving interstate train loads, including numerous special contracts in the Baltimore Gas & Electric and Pennsylvania Power & Light territories related to hydro generation specifically dedicated to serving Amtrak
- Advised Amtrak with several load retention special contracts, and assisted with negotiations with Connecticut Light & Power and Philadelphia Electric Company on preservation of conjunctive demand billing for Amtrak traction power deliveries, which led to a stipulated settlement and tariff
- Assisted Amtrak as an expert witness in Pennsylvania PUC Docket R-2015-2469275 (Pennsylvania Power & Light Rate Case) leading to a stipulated resolution
- Negotiated changes to a pancaked transmission tariff arrangement Amtrak is under in PJM that led to millions in savings



- For public power systems in Vermont and Hawaii, developed special LED Streetlight and Electric Vehicle Charging tariffs.
- For the Vermont Public Power Supply Authority, led a team that trained the Authority's in-house rate analysts using proprietary Daymark Energy Advisors cost allocation, billing curve, and rate design models
- Directed the preparation of an embedded cost allocation and marginal cost-based rate design filing, which involved several of the Authority's member systems, many of which have unique attributes – one has a special contract design for a ski area that encourages minimization of demand during system coincident peak conditions, another has a design that recognizes the requirement to integrate output from a hydro station that is approximately equivalent to the load for the entire system
- For the Town of New Shoreham, Rhode Island, in a Block Island Power Company rate case (RI PUC Docket 3655), prepared testimony that showed how rates and demand response could be integrated, together with appropriate system planning, to forestall the need for significant investment in additional diesel generation on Block Island
- For Belmont Municipal Electric Department in Massachusetts, oversaw the drafting of time-of-use and seasonal cost allocation study and rate design, which led to the adoption of seasonal rates for all customers and inclining block rates for residential customers; over the course of the engagement, advised the Municipal Light Advisory Board on various time-of-use rate designs, including critical peak pricing (CPP) and real-time pricing (RTP) approaches

### ***Engagements Addressing Distributed Generation***

- For the New Hampshire Public Utilities Commission Staff, led a team that advised on the going-forward New Hampshire Net Energy Metering (NEM) program and tariff design; served as expert witness for the NH PUC Staff in Docket DE 16-576
- Led a team on behalf of the Kaua'i Island Utility Cooperative (KIUC) in Hawai'i, to develop an LED streetlight tariff (Transmittal 2015-03, approved), and a statutorily-driven Community-Based Renewable Energy (CBRE) tariff (Docket 2015-0382); the team has also prepared a rate case for potential filing in 2019, and a comprehensive rate redesign intended to help KIUC integrate and fairly compensate significant distributed energy resources (DER, mostly customer-sited solar) into its system
- Currently assisting KIUC with participation on rate design issues in a statewide HI PUC proceeding on further integration of DER into the Hawai'i island grids (Docket 2014-0192)
- Testified before the Utah Public Service Commission in Dockets 13-035-184 & 14-035-114, on behalf of the Utah Division of Public Utilities (DPU), regarding the rate design and implementation proposals, and net metering rates, filed by Rocky Mountain Power (PacifiCorp)
- For Washington Electric Cooperative in Vermont (VT PSB Dockets 7427 & 7575), completed, successfully defended, and obtained Public Service Board approval, for a contested long-term marginal cost-based rate design; prepared filing documents for Open Access Distribution and Transmission Tariffs applicable to distributed generation and renewable power projects
- For Littleton and Woodsville Water & Light Departments in New Hampshire, assisted with proforma rate decreases occasioned by more economic power supply arrangements we arranged, and reviewed and made recommendations on in-house allocated cost of service studies to guide appropriate rate design

- Currently assisting Woodsville Water & Light Department in unbundling its rates for a special tariff for its largest single customer, Grafton County

### **Water Cost of Service & Rate Design**

- For Bar Harbor Water Company in Maine, prepared an allocated cost of service study and rate design for water service that phases from declining block to uniform volumetric rates and reduced allowances for year-round and seasonal customer classes
- For a large industrial customer intervener in an Aqua Maine Water Company rate case (Maine PUC Docket 2010-72), reviewed company workpapers and testimony, and supported successful negotiations that led to modifications in the Aqua Maine design to more fairly reflect the capacity costs of serving that largest customer on the system
- For the Pennsylvania Office of Consumer Advocate (York Water Company v Pennsylvania PUC, Dockets R-00016236 & R-00016236C0001-C0006), filed testimony supporting changes to the York Water Company excess capacity allocations to reflect a more equitable revenue requirement responsibility for and better price signals to the residential class

### **Additional Experience**

- Mr. Faryniarz also has expertise in the areas of Power Procurement & Transactions, Portfolio Management, Commerce and Planning, Project Finance and Valuation.

## **EMPLOYMENT HISTORY**

<b>Daymark Energy Advisors</b> <i>Principal Consultant</i>	<b>1999 - Present</b>
<b>Decisions Economics LLC</b> <i>President and Consultant</i>	<b>1994 - 1999</b>
<b>Weil &amp; Howe, Inc.</b> <i>Consultant</i>	<b>1990 - 1999</b>
<b>Vermont Department of Public Service</b> <i>Special Counsel for Financial Analysis</i>	<b>1986 - 1990</b>

## **EDUCATION**

**Certified Energy Procurement (CEP) Professional, Association of Energy Engineers**  
**Master of Public Administration, University of Vermont**  
*Included extensive M.B.A. curriculum in Finance and Managerial Economics*  
**NARUC Graduate Studies Program in Regulatory Economics, Michigan State University**  
**B.A., Economics, University of Vermont (Cum Laude with Departmental Honors)**  
*Omicron Delta Epsilon, International Economics Honor Society*

## **Selected Testimony of Stan Faryniarz, CEP**

- **Before the Maine Public Utilities Commission**

On behalf of Camden & Rockland Water Company et al.

- Docket No. 93-145 Petition of Camden & Rockland Water Company et al. for a Proposed Increase in Rates (Rate Case, Rate Design)

- **Before the Maryland Public Service Commission**

On behalf of the National Railroad Passenger Corporation (AMTRAK)

- Case No. 9173 Phase II In the Matter of the Current and Future Financial Condition of Baltimore Gas and Electric Company (Merger)

- **Before the New Hampshire Public Utilities Commission**

On behalf of the Public Utilities Commission Staff

- Docket DE 16-576 Development of New Alternative Net Metering Tariffs and/or Other Regulatory Mechanisms and Tariffs for Customer-Generators (Net Energy Metering, Rate Design)

- **Before the Nova Scotia Utilities and Review Board**

- Docket No. \_\_\_\_ Investigation into Non-utility generation resources and U.S. PURPA Qualifying Facility policies (PURPA).

- **Before the Pennsylvania Public Utility Commission**

On behalf of the Pennsylvania Office of Consumer Advocate

- Dockets R-00016236 & R-00016236C0001-C0006 York Water Company v Pennsylvania PUC (Rate Case & Rate Design)

On behalf of the National Railroad Passenger Corporation (AMTRAK)

- Docket No. P-2008-2060309 Petition of the PPL Electric Utilities Corporation for Approval of a Default Service Program and Procurement Plan for the Period January 1, 2011 Through May 31, 2014 (Default Power Supply Service)

- Docket A-2008-2078319 Application of Safe Harbor Water Power Corporation Pursuant to Section 1102(a)(2) of the Pennsylvania Public Utility Code Authorizing Safe Harbor Water Power Corporation to Abandon Public Service Authorized by a Certificate of Public Convenience (Generation Service)
- Docket No. R-2015-2469275 Pennsylvania Public Utility Commission v. PPL Electric Utilities Corporation (Rate Case)
- Docket No. P-2015-2474714 Petition of PPL Electric Utilities Corporation for Waiver of the Distribution System Improvement Charge Cap of 5% of Billed Revenues (Rate Case)

- **Before the Rhode Island Public Utility Commission**

On behalf of the National Railroad Passenger Corporation (AMTRAK)

- Docket No. 2867 Rhode Island Public Utility Commission vs Narragansett Electric Company (Rate Design)

On behalf of the Town of New Shoreham

- Docket No. 2867 Rhode Island Public Utility Commission vs Block Island Power Company (IRP, Rate Design)

- **Before the Utah Public Service Commission**

On behalf of the Utah Division of Public Utilities

- Docket 13-035-184 In the Matter of the Application of Rocky Mountain Power for Authority to Increase Its Retail Electric Utility Service Rates in Utah and for Approval of Its Proposed Electric Service Schedules and Electric Service Regulations (Allocated Cost of Service, Rate Design, NEM Rate Design)
- Docket 14-035-114 In the Matter of the Costs and Benefits of PacifiCorp's Net Metering Program (Allocated Cost of Service, Rate Design, NEM Rate Design)

- **Before the Vermont Public Utility Commission (previously Public Utility Board)**

On behalf of the Vermont Department of Public Service

- Docket No. 4949 Petition of Emerson Falls Hydroelectric for 30-year power sales contract pursuant to Rule 4.100 (PURPA QF)
- Docket No. 4964 Petition of Bio-Energy Corporation for 30-year power sales

contract pursuant to Rule 4.100 (PURPA QF)

- Docket No. 5109 Agreement for sale of electricity between VPX Inc. and Vermont Marble Power Company pursuant to Rule 4.100 (PURPA QF)
- Docket No. 5168 Petition of Comtu Falls Hydro for Long-term Levelized Rates pursuant to Rule 4.100 (PURPA QF)
- Docket No. 5177 Rule 4.100 Small Power Production Rates filed by the Vermont Department of Public Service (PURPA QF Avoided Costs)
- Docket No. 5179 Petition of East Georgia Cogeneration re: Approval of Levelized Rates pursuant to Rule 4.100 and Issuance of a Certificate of Public Good pursuant to 30 V.S.A. Ss 248 (PURPA QF)
- Docket No. 5181 Petition of First Energy Associates vs VPX Inc. re: Decker Energy Letter of Intent with VPX (PURPA QF)
- Docket No. 5193 Petition of Vermont Department of Public Service requesting deletion of the decremental pricing provision contained in the contract between VPX Inc. and Missisquoi Associates approved in Docket 5106 (PURPA QF)
- Docket No. 5233 Petition of Great Falls Hydroelectric for 30-year levelized rates pursuant to Rule 4.100 (PURPA QF)
- Docket No. 5270 Investigation into Least Cost Investments, Energy Efficiency, Conservation and Management of the Demand for Energy (IRP)
- Docket No. 5298 Investigation into Fee Schedules for VPX, Inc. (Rate Case)
- Docket Nos. 5395 & 5401 Review of Bonneville Pacific Corporation Proposed Cogeneration Facility
- Docket No. 5411 Investigation into the Tariff Filing for VPX Inc. (Rate Case)

On behalf of Utilities

- Docket No. 6315 Investigation into the Tariff Filing Washington Electric Cooperative for a 3.8% Rate Increase (Rate Case)
- Docket No. 6328 Investigation into the Tariff Filing Washington Electric Cooperative re: Proposed Rate Design Changes (Rate Design)
- Docket No. 6850 Joint Petition of Vermont Electric Cooperative, Inc. and Citizens Communications Company For Transfer of Assets & Docket No. 6853 Joint Petition of Vermont Electric Cooperative, Inc. and Citizens

Communications Company For Transfer and Assignment of Hydro-Québec  
Contracts (Merger, Load Forecast, Power Supply Contract Disallowance)

- Docket No. 6924 Joint Petition by Washington Electric Cooperative, Inc. (“WEC”), Vermont Electric Power Company, Inc. (“VELCO”), Citizens Communications Corporation (“CZN”), and Vermont Electric Cooperative, Inc. (“VEC”) for a Certificate of Public Good pursuant to 30 V.S.A. § 248 authorizing: (1) WEC to construct an electric generation station in Coventry, Vermont; WEC & VELCO to make improvements to the Irasburg substation; (3) WEC, VEC & CZN to construct 46 KV transmission lines in Coventry and Irasburg, Vermont, including provisions for distribution system construction by CZN and VEC. (Certificate of Public Good)
- Docket No. 6925 Joint Petition by the Washington Electric Cooperative (“WEC”) and Coventry Clean Energy Corporation (“CCEC”) for (1) a certificate of public good authorizing CCEC to operate as a corporation that generates and transmits electricity; (2) authorization of WEC to have a 100% ownership interest in CCEC; (3) approval for CCEC to sell all its generation to WEC; (4) approval of WEC’s promissory note to the Rural Utilities Service; and (5) approval of CCEC’s promissory note to WEC. (Certificate of Public Good)
- Docket No. \_\_\_\_ Petition by Washington Electric Cooperative, Inc. (“WEC”), for (1) a Certificate of Public Public Good pursuant to 30 V.S.A. § 248(j) authorizing the Coventry Project Expansion; and (2) approval of WEC’s promissory note to the National Rural Utilities Cooperative Finance Corporation (CFC) pursuant to 30 V.S.A. § 108 to finance the Coventry Project Expansion. (Certificate of Public Good)
- Docket No. \_\_\_\_ Petition by Washington Electric Cooperative, Inc. (“WEC”), for (1) a Certificate of Public Public Good pursuant to 30 V.S.A. § 248(j) authorizing the Second Coventry Project Expansion; and (2) approval of WEC’s promissory note to the Rural Utilities Service pursuant to 30 V.S.A. § 108 to finance the Second Coventry Project Expansion. (Certificate of Public Good)
- Docket No. 7575 Petition of Washington Electric Cooperative (“WEC”), for approval of rate design changes and a change in rate schedules pursuant to 30 V.S.A. § 225 (Rate Design)
- Docket No. 8463 Petition of Stowe Electric Department For Approval of Its 2015 Rate Design and Tariff Amendments (Rate Design)
- Case No. 18-2372-TF Petition of Town of Stowe Electric Department, pursuant to 30 V.S.A. §§ 225 and 227(a), for a 7.9% rate increase (Rate Case)

- **Before the Bennington Vermont Family Court**
  - Docket No. F182-6-93BnDmd Livingston vs. Livingston, Valuation of Environmental Power Corporation for Plaintiff (Valuation)
  
- **Before the Joint Hearing of the Vermont House Commerce and Senate Finance Committee**
  - 1987, Valuation of the Vermont Electric Power Company (VELCO) (Valuation)

**Georgia  
Power****ELECTRIC SERVICE TARIFF:****DEMAND SIDE MANAGEMENT RESIDENTIAL  
SCHEDULE: "DSM-R-8"**

	<b>EFFECTIVE DATE</b>	<b>REVISION</b>	<b>PAGE NO.</b>
1 of 1	With Bills Rendered for the Billing Month of January, 2020	Original	10.20

**APPLICABILITY:**

The Demand Side Management Residential Schedule (DSM-R) will collect the projected program costs for approved and certified Residential Demand Side Management (DSM) programs, as well as an additional sum amount for certified Residential DSM programs. This rider is applicable to all Residential customers as defined in the Company's Rules and Regulations for Electric Service.

**ADJUSTMENT:**

All bills rendered subject to the DSM-R Schedule shall be respectively increased in an amount equal to **1.7310%** of their base bill calculations which excludes Real Time Pricing (RTP) incremental usage revenue. The DSM-R Schedule will be updated annually via filings with the Georgia Public Service Commission, with rates effective the following January.

**GENERAL TERMS & CONDITIONS:**

The adjustment calculated under this rider is subject to change in such an amount as may be approved and/or amended by the Georgia Public Service Commission.

Service hereunder is subject to the Rules and Regulations for Electric Service on file with the Georgia Public Service Commission.



**ELECTRIC SERVICE TARIFF:****DEMAND SIDE MANAGEMENT COMMERCIAL  
SCHEDULE: "DSM-C-7"**

	<b><u>EFFECTIVE DATE</u></b>	<b><u>REVISION</u></b>	<b><u>PAGE NO.</u></b>
1 of 1	With Bills Rendered for the Billing Month of January, 2020	Original	10.30

**APPLICABILITY:**

The Demand Side Management Commercial Schedule (DSM-C) will collect the projected program costs for approved and certified Commercial Demand Side Management (DSM) programs, as well as an additional sum amount for certified Commercial DSM programs. This rider is applicable to all Commercial customers as defined in the Company's Rules and Regulations for Electric Service.

**ADJUSTMENT:**

All bills rendered subject to the DSM-C Schedule shall be respectively increased in an amount equal to **2.6398%** of their base bill calculations which excludes Real Time Pricing (RTP) incremental usage revenue. DSM-C shall apply to 65% of the base bill calculations for bills rendered on the Fixed Pricing Alternative (FPA) tariff. The DSM-C Schedule will be updated annually via filings with the Georgia Public Service Commission, with rates effective the following January.

**GENERAL TERMS & CONDITIONS:**

The adjustment calculated under this rider is subject to change in such an amount as may be approved and/or amended by the Georgia Public Service Commission.

Service hereunder is subject to the Rules and Regulations for Electric Service on file with the Georgia Public Service Commission.

**GEORGIA POWER COMPANY**  
**Docket No. 42516**  
**Georgia Power Company's 2019 Rate Case**  
**Staff Data Request No. STF-PIA-4**

**STF-PIA-4-3**

Question:

Please explain why the Company is requesting to remove the Bi-directional metering charge from the current RNR tariff.

Response:

The Company is requesting to remove the bi-directional metering charge from the current RNR tariff as the cost recovery for reprogramming the meter is now included as part of the Interconnection Testing fee of \$5/kW.

supply some of the power they consume from their distributed generation. The Company is currently aware of more than 200 non-participants, totaling more than 3 MW of capacity. For safety and reliability, the Company proposes to require an interconnection agreement for all non-participants in order for Georgia Power to accurately account for all generation connected to its infrastructure. These interconnection agreements are essential in identifying where distributed generation resources are located on the grid in order to maintain safe, efficient, and reliable operation of the grid.

### **1.1.1 Simple Solar Program**

For customers who cannot or choose not to install solar, but would like to support solar energy or be able to claim their energy usage as solar energy, the Company offers the Simple Solar Program, which will replace the current Green Energy Program. The Simple Solar Program will offer an option for customers to offset either 50% or 100% of their monthly usage with solar energy supplied by RECs produced from solar generation in Georgia.

The Commission approved Georgia Power's original Green Energy Program in 2003 in Docket No. 16573. After contracting for renewable energy resources, the Company began enrollments and started billing customers in 2006. The Green Energy Program currently serves approximately 3,800 participants that voluntarily pay a premium to support energy generation from renewable resources. The Green Energy Program has stimulated the growth of renewable generation in Georgia and is directly responsible for 6.4 MW of landfill gas and 5.4 MW of solar generation currently online. However, the cost of the Green Energy Program has exceeded revenues by more than \$6.6 million to date, due to lower-than-projected avoided energy costs, higher long-term contracted prices for the renewable energy to supply the program, as well as lower than expected customer participation. Furthermore, as a result of recent solar tax credits, rebates, declining technology costs and other distributed generation purchase programs, a growing number of customers choose to install their own renewable generation rather than purchase through the Green Energy Program. The Green Energy Program successfully incentivized the growth of renewable resources at a time when they were not cost-effective for customers. Now that renewable energy has become more economical, it is appropriate to replace the Green Energy Program with the Simple Solar Program to reflect current conditions.

June 23, 2014

In the 2013 Rate Case Settlement Agreement in Docket No. 36989, Georgia Power ("Georgia Power" or the "Company") agreed to further investigate the need for, and costs associated with, providing hourly usage information to all metered customers. This document provides the results of the Company's investigation.

### **Results of Investigation into the Need for Provision of Hourly Usage Information to All Customers**

Georgia Power is focused on creating customer value by identifying and implementing innovative solutions to best meet customers' energy needs. Currently, all commercial and industrial Georgia Power customers have access to hourly usage information as an optional product through our Energy Direct service. Georgia Power's residential customers also have access to a wide variety of usage information to help them manage their energy usage. Customers can:

- Examine their monthly bills which shows the usage for the previous 13 months
- Call the care center to request further information on their usage
- Read their own meters
- Access the company's recently launched "My Power Usage" site for customers on the R tariff. On this site they can:
  - View daily usage in kWh or dollars
  - Set up daily or monthly usage alerts
  - Project their monthly bill at current usage rates
- Purchase one of several commercially available devices that provide hourly energy usage data

The Company's experience in the My Power Usage program provides some insight into customers' desires for hourly energy usage information. The My Power Usage program was originally launched as a pilot. The pilot site offered hourly usage data to customers who were interested. Of the 70,000 customers solicited for the pilot, less than two percent or approximately 1,200 enrolled in the pilot. Of those 1,200 customers, approximately 24% "clicked through" to see their hourly usage. So of the 70,000 customers who were solicited, less than one half of one percent demonstrated interest in seeing hourly usage.

In April, 2013, My Power Usage moved from pilot to full implementation to customers on the R tariff, providing daily usage information. During the first five months of 2014, an average of 35,287 customers used the My Power Usage service per month. That equates to just 1.9% of the 1,897,100 customers eligible for the service during that same period.

This verifies what we have seen with our largest business customers using our Energy Direct energy information site. At present, approximately 41,000 commercial and industrial accounts take advantage of this service. These 41,000 accounts represent over \$3 billion in revenue and more than 39 billion kWh of usage. Only 51 accounts (or a little more than 0.1 %) are willing to pay the \$150 per month subscription fee to view near real time hourly usage.

The customer participation rates in currently available usage data presentation programs and the experience with customers accessing My Power Usage indicates that the vast majority of our customers are not interested in receiving or viewing their hourly energy usage information today.

#### **Cost Estimates for Provision of Hourly Usage Information to All Customers**

The Company's prior evaluation, which was provided to the Georgia Public Service Commission in May 2013, indicated that it would cost an additional \$4 million to \$6 million to provide hourly data for all residential customers through My Power Usage. Since that time, the Company has refined its estimate based on technology enhancements. The following figures reflect the Company's current best estimate of the initial costs and on-going support costs of providing hourly data for all residential customers through My Power Usage:

- \$4.2 million initial investment for additional IT infrastructure—storage capacity for hourly readings—and an enhanced rate projection tool
- \$1.2 million per year on-going to support the application

This estimate was created with the following assumptions:

- Hourly data will be made available with a one to two day delay
- Includes all applicable residential rates/riders/contracts, meter multipliers, multiple service points, and multiple premises
- No other new functionality is added in this scope of work
- Customers without a smart meter will be excluded

In light of both the demonstrated low demand for hourly usage information and the high cost of providing that information to all residential customers, the Company suggests an alternative: providing hourly usage information to just those customers on the TOU-REO, TOU-PEV, and TOU-RD time-of-use tariffs. Customers on these tariffs are the most likely to desire and benefit from hourly usage information, and the cost to provide hourly information to this subset of customers would be substantially lower than providing that information to all residential customers. Further the experience gained with respect to how many of these customers actually take advantage of the service could later be used to better determine the need to expand hourly usage information to additional residential customers.