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Case No. PUR-2022-00014

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**Case Number (if already assigned)** PUR-2022-00014

**Case Name (if known)** Application of Appalachian Power Company for approval of a rate adjustment clause, under Va. Code § 56-585.1 A 4

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EXHIBIT # 2



BOUNDLESS ENERGY

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American Electric Power  
1300 East Main Street, Suite 1100  
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SEP 1999

April 7, 2022

By Electronic Filing

The Honorable Bernard J. Logan, Clerk  
State Corporation Commission  
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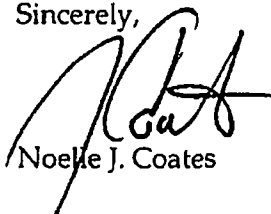
**Re: Application of Appalachian Power Company  
for approval of a rate adjustment clause,  
under Va. Code § 56-585.1 A 4  
Case No. PUR-2022-00014**

Dear Mr. Logan:

Attached for filing in the above-referenced case is Appalachian Power Company's Application for approval to implement factors to recover its actual and forecast transmission-related costs through its transmission rate adjustment clause pursuant to § 56-585.1 A 4 of the Code of Virginia.

The Company is also filing today under separate cover a Motion for Protective Ruling.

Sincerely,



Noelle J. Coates

Attachment

cc: William H. Chambliss, Esq.  
C. Meade Browder, Jr., Esq.

COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

APPLICATION OF

APPALACHIAN POWER COMPANY

Case No. PUR-2022-00014

For Approval of a Rate Adjustment Clause  
under Va. Code § 56-585.1 A 4

APPLICATION

April 7, 2022

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2022-0014

**COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION**

**APPLICATION OF**

**APPALACHIAN POWER COMPANY**

**CASE NO. PUR-2022-00014**

**For Approval of a Rate Adjustment Clause  
under Va. Code § 56-585.1 A 4**

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**DIRECT TESTIMONY AND EXHIBITS:**

**BRIAN J. FRANTZ**

**MICHELLE M. HOWELL**

**JOHN MARK NEAL**

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- APCo Exhibit No. \_\_ (JMN) Schedule 2 - Berry Hill Approval Letter
- APCo Exhibit No. \_\_ (JMN) Schedule 3 - Commonwealth Crossing Cash Flow
- APCo Exhibit No. \_\_ (JMN) Schedule 4 - Berry Hill Cash Flow

**KATHARINE I. WALSH**

- APCo Exhibit No. \_\_ (KIW) Schedule 1 - T-RAC Riders effective August 1, 2022
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COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

APPLICATION OF

APPALACHIAN POWER COMPANY

CASE NO. PUR-2022-00014

For Approval of a Rate Adjustment Clause  
under Va. Code § 56-585.1 A 4

**APPLICATION FOR APPROVAL OF RATE ADJUSTMENT CLAUSE**

Pursuant to Va. Code § 56-585.1 A 4 and Rules 20 VAC 5-204-10 and 20 VAC 5-204-60 of the Commission's *Rules Governing Utility Rate Case Applications and Annual Informational Filings* ("Rate Case Rules"), Appalachian Power Company ("Appalachian" or the "Company") files this Application for the State Corporation Commission's approval to implement factors to recover an increase to its revenue requirement through its transmission rate adjustment clause ("T-RAC").

By separate motion, the Company is requesting a protective ruling for purposes of expediting disclosure of any confidential information that might be requested in discovery.

**1. Introduction and Background**

Appalachian is a Virginia public service corporation serving approximately 525,000 customers in Virginia and maintaining an office at 1051 East Cary Street, Suite 1100, Richmond, Virginia 23219. The Company is an incumbent electric utility as defined in Section 56-576 of the Virginia Electric Utility Regulation Act. The contact information for Appalachian's attorneys is stated at the end of the Application.

Subsection A 4 of § 56-585.1 of the Code of Virginia (the "T-RAC Statute") provides, in relevant parts, that:

The following costs incurred by the utility shall be deemed reasonable and prudent: (i) costs for transmission services provided to the utility by the regional transmission entity of which the utility is a member, as determined under

applicable rates, terms and conditions approved by the Federal Energy Regulatory Commission; (ii) costs charged to the utility that are associated with demand response programs approved by the Federal Energy Regulatory Commission and administered by the regional transmission entity of which the utility is a member; and (iii) costs incurred by the utility to construct, operate, and maintain transmission lines and substations installed in order to provide service to a business park. Upon petition of a utility at any time after the expiration or termination of capped rates, but not more than once in any 12-month period, the Commission shall approve a rate adjustment clause under which such costs, including, without limitation, costs for transmission service; charges for new and existing transmission facilities, including costs incurred by the utility to construct, operate, and maintain transmission lines and substations installed in order to provide service to a business park; administrative charges; and ancillary service charges designed to recover transmission costs, shall be recovered on a timely and current basis from customers. Retail rates to recover these costs shall be designed using the appropriate billing determinants in the retail rate schedules.

In 2009, the Commission authorized Appalachian to establish the T-RAC.<sup>1</sup> The Company has made four additional filings,<sup>2</sup> most recently in 2021, when Commission authorized the Company to recover \$337.7 million annually.<sup>3</sup>

## **2. Witnesses in Support of the Application**

The costs sought in this Application fall within the definition of costs deemed reasonable and prudent by the T-RAC Statute, as supported by the testimony of the following witnesses:

- **Brian J. Frantz**, Director, Corporate Accounting, for American Electric Power Service Corporation (AEPSC). Mr. Frantz addresses PJM's billings to AEP and subsequent allocations to Appalachian; the Company's continued use of over/under accounting for

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<sup>1</sup> Final Order, *Petition of Appalachian Power Company for approval of rate adjustment clause pursuant to § 56-585.1 A 4 of the Code of Virginia*, Case No. PUE-2009-00031, 2009 S.C.C. Ann. Rep. 450 (Oct. 6, 2009).

<sup>2</sup> Final Order, *Application of Appalachian Power Company for approval of rate adjustment clause pursuant to § 56-585.1 A 4 of the Code of Virginia*, Case No. PUE-2013-00111, 2014 S.C.C. Ann. Rep. 322 (March 18, 2014). Final Order, *Application of Appalachian Power Company for approval of rate adjustment clause pursuant to § 56-585.1 A 4 of the Code of Virginia*, Case No. PUE-2015-00086, 2015 S.C.C. Ann. Rep. 370 (Nov. 4, 2015). Final Order, *Application of Appalachian Power Company for approval of a rate adjustment clause pursuant to § 56-585.1 A 4 of the Code of Virginia*, Case No. PUR-2017-00164, Doc. Con. Cen. No. 180310010 (Feb. 28, 2018).

<sup>3</sup> Final Order, *Application of Appalachian Power Company for approval of a rate adjustment clause pursuant to § 56-585.1 A 4 of the Code of Virginia*, Case No. PUR-2021-00018, Doc. Con. Cen. No. 210530053 (May 18, 2021) (the "2021 Order").

the T-RAC; the T-RAC's cumulative under-recovery balance of \$19.5 million as of February 28, 2022; and accounting for the pilot program, established pursuant to the Va. Code § 56-585.1:10 (the "Pilot Program Statute"), specific to the Berry Hill and Commonwealth Crossing Industrial Parks (the "Business Parks Pilot Program").

- **Michelle M. Howell**, Director of Transmission Settlements and Investments (AEPSC). Ms. Howell presents the forecasts of the Company's monthly OATT expenses for the period March 2022 through July 2023 and annual OATT expenses for the years 2023 through 2026; and describes the methodologies employed to calculate APCo's total estimated OATT expenses.
- **John Mark Neal**, Supervisor of Distribution System Planning (AEPSC). Mr. Neal describes the Company's reasoning for pursuing Business Ready Site projects in Virginia as part of the Business Park Pilot Program; provides evidence that the Commonwealth Crossing and Berry Hill Industrial Parks meet the requirements listed in the Pilot Program Statute; and discusses the Company's plan for constructing utility infrastructure into and within the Business Parks. Mr. Neal also provides the projected net cost of the construction, both annually and in total; and provides the projected start dates for construction and the projected in-service dates of the utility infrastructure.
- **Katharine I. Walsh**, Manager, Regulatory Pricing and Analysis (AEPSC). Ms. Walsh calculates a total revenue requirement of \$368.1 million for the rate year of August 2022 through July 2023 (the "Rate Year"); provide the information necessary to calculate the portion of the revenue requirement associated with the Business Park Pilot Program. Ms. Walsh also discusses the jurisdictional allocation factors used to allocate the T-RAC revenue requirement to the Virginia retail jurisdiction and the calculation of the proposed T-RAC rates that were designed to recover the requested revenue requirement, and sponsors the proposed T-RAC tariff sheets.

3. **The Requested Revenue Requirement, Rate Impact and Cost Allocation**

In this Application, the Company requests permission to recover a proposed total revenue requirement for the Rate Year of \$368.1 million. As Ms. Walsh sets out, this amount is comprised of the following components:

- a. A forecast Virginia jurisdictional current-period formula rate (Current) revenue requirement of \$338.0 million for the Rate Year. The revenue requirement is based on FERC-approved PJM rates for transmission service that went into effect January 1, 2022.
- b. A cumulative Virginia jurisdictional actual under-recovery formula rate balance, through February 2022 (the True-up) of \$19.5 million.
- c. A forecast Virginia jurisdictional under-recovery formula rate amount of \$7.4 million for the period March 2022 – July 2022 (Update).

- d. A forecast Virginia jurisdictional revenue requirement of \$3.2 million associated with the Business Park Pilot Program, discussed in more detail below.

The total proposed revenue requirement is an increase of about \$31 million from the annual revenue requirement of \$337.7 million that the Commission approved in the 2021 Order. If approved by the Commission, the Company's proposed T-RAC rates would increase the monthly bill for a residential customer using 1,000 kWh by \$2.88, which would be a 2.4% increase from the March 2022 typical bill.

4. **The Business Park Pilot Program**

The Pilot Program Statute reflects the conclusion of the General Assembly that industrial sites in the Commonwealth are not as attractive to new businesses as those in surrounding states, due in part to a lack of utility infrastructure. The Pilot Program, conducted by the Virginia Economic Development Partnership, allows Appalachian to complete the construction phase of a transmission line and associated substation to provide the electric infrastructure to a business park, before an industrial customer is located there, in order to make the site more attractive to potential customers, thus advancing the Commonwealth's economic development efforts.

The Pilot Program Statute also allows Appalachian to recover through the T-RAC costs incurred after January 1, 2019 "to construct, operate, and maintain transmission lines and associated substations installed in order to provide service to a business park." Company witness Neal explains the current projects in the Business Park Pilot Program, and provides evidence that each of them, and the requested costs, meet the qualifications of the Virginia Code.

5. **Compliance with the Rate Case Rules**

As required by the Commission's Rate Case Rules, the Company provides Schedule 46 and the required cost of capital schedules with this Application. Pursuant to Rule 20 VAC 5-

204-10 J, the Company will serve copies of the Petition, testimony, and Schedule 46 on the Division of Consumer Counsel of the Office of the Attorney General.

WHEREFORE Appalachian Power Company respectfully request that the Commission approve the recovery of the requested revenue requirement and grant any such other relief that the Commission determines to be necessary.

Respectfully submitted,

APPALACHIAN POWER COMPANY

By \_\_\_\_\_  
Counsel

April 7, 2022

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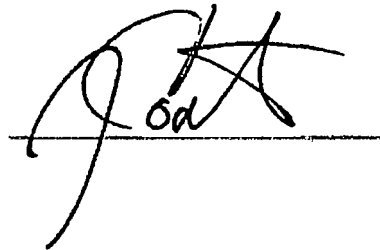
*Counsel for Appalachian Power Company*

**CERTIFICATE OF SERVICE**

I hereby certify that a true copy of the foregoing Application of Appalachian  
Power Company was served by electronic mail on this 7<sup>th</sup> day of April 2022 to:

William H. Chambliss, Esq.  
Office of General Counsel  
State Corporation Commission  
Tyler Building - 10th Floor  
1300 East Main Street  
Richmond, VA 23219

C. Meade Browder, Jr., Esq.  
Senior Assistant Attorney General  
Division of Consumer Counsel  
Office of the Attorney General  
202 N. 9th Street  
Richmond, VA 23219

A handwritten signature, appearing to be "J. Odell", is written over a horizontal line.

**Glossary of Terms**

|                              |  |
|------------------------------|--|
| AEPSC                        | American Electric Power Service Corporation  |
| AEP                          | American Electric Power Company, Inc.  |
| APCo or Company              | Appalachian Power Company  |
| Business Parks Pilot Program | Established pursuant to the Pilot Program Statute, specific to the Berry Hill and Commonwealth Crossing Industrial Parks |
| CPs                          | Coincident Peaks   |
| FERC                         | Federal Energy Regulatory Commission   |
| LSE                          | Load Serving Entity in PJM   |
| MWhs                         | Megawatt Hours   |
| NITS                         | Network Integrated Transmission Service  |
| Pilot Program Statute        | Va. Code § 56-585.1:10   |
| PJM OATT                     | PJM Open Access Transmission Tariff  |
| RTEP                         | PJM's Regional Transmission Expansion Plan   |
| T-RAC                        | Transmission Rate Adjustment Clause Rider  |
| T-RAC Statute                | Va. Code § 56-585.1 A 4  |
| VEDP                         | Virginia Economic Development Partnership  |
| 2021 T-RAC Proceeding        | Case No. PUR-2021-00018  |
| 2020 Triennial Review        | Case No. PUR-2020-00015  |

SECRET



## Appalachian Power Company - VA Case No. PUR-2022-00014

## Schedule Index

## Projected Rate Adjustment Clause Pursuant to § 56-585.1-A 4 of the Code of Virginia

| Rate Case Rule           | Schedule   | Witness Sponsor | Schedule   |  | Description |
|--------------------------|--|-----------------|------------|--|-------------|
| 20VACS-204-60 Schedule 3 | Schedule 3 - Capital Structure and Cost of Capital Statement - Per Books and Average   | KIW             | Schedule 3 |  |             |
| 20VACS-204-60 Schedule 4 | Schedule 4 - Schedules of Long Term Debt, Preferred and Preference Stock, Job Development Credits, and Any Other Component of Raising Capital  | KIW             | Schedule 4 |  |             |
| 20VACS-204-60 Schedule 5 | Schedule 5 - Schedule of Short-Term Debt, Revolving Credit Agreements, and Similar Short-Term Financing Arrangements   | KIW             | Schedule 5 |  |             |
| 20VACS-204-60 Schedule 8 | Schedule 8 - Proposed Cost of Capital Statement Instructions: Provide the applicant's proposed capital structure/cost of capital; include. In conjunction provide schedules that support the amount and cost rate of each component of the proposed capital structure, and explain all assumptions used. | KIW             | Schedule 8 |  |             |

| Rate Case Rule                | Schedule 46 Index   | Witness Sponsor | Section      | Statement | Description   |
|-------------------------------|---|-----------------|--------------|-----------|---|
| 20VACS-204-90 Schedule 46 a 1 | A schedule of all projected and actual costs, by type of cost and year  | BJF             | 1 - Actuals  | 1         | Actuals   |
|                               |   | KIW             | 1 - Forecast | 1         | Cost of Service Summary   |
|                               |   | KIW/MMH         |              | 2         | Cost of Service Itemization/VA. Jurisdictional Allocation Factors |
|                               |   | MMH             |              | 3         | Derivation of PJM Charges   |
|                               |   | MMH             |              | 4         | Regional Transmission Enhancement Project Charges                 |
|                               |   | MMH             |              | 5         | Derivation of PJM Administrative Charges                          |
|                               |   | KIW/MMH         |              | 6         | Update Calculation  |
|                               |   | KIW/MMH         |              | 7         | Projected T-RAC Costs   |
| 20VACS-204-90 Schedule 46 a 2 | Provide transaction-level details to facilitate the sampling and audit of such actual costs electronically to the Division of Utility Accounting and Finance in an electronic spreadsheet with all underlying formulas and assumptions. Provide the information for the period covered by the most recently completed true-up of the Federal Energy Regulatory Commission wholesale transmission formula rate as of the application filing. | BJF             | 2            | 1         | Provided March 29, 2022   |
| 20VACS-204-90 Schedule 46 a 3 | The annual revenue requirement over the duration of the proposed rate adjustment clause by year and by class on a total company and Virginia jurisdictional basis, including all supporting calculations and assumptions.   | KIW             | 3            | 1         | Revenue Requirement Calculation                                   |
|                               |   |                 |              | 2         | Rate Year Revenue Req. by Class                                   |
|                               |   |                 |              | 3         | RAC Revenue by Class  |
| 20VACS-204-90 Schedule 46 a 4 | Detailed information relative to the applicant's methodology for allocating the revenue requirement among rate classes and the design of class rates  | KIW             | 4            | 1         | Customer Class Demand and Energy Allocators                       |
|                               |   |                 |              | 2         | TOD Revenue Requirement and Rate Design                           |
|                               |   |                 |              | 3         | Rate Design   |
|                               |   |                 |              | 4         | Revenue Proof   |
|                               |   |                 |              | 5         | Rate Design Billing Determinants                                  |
|                               |   |                 |              | 6         | Rate Design Billing Determinants - TOD                            |
| 20VACS-204-90 Schedule 46 a 5 | The docket or case number and Federal Energy Regulatory Commission ruling approving the wholesale transmission formula, rate, or cost for which the applicant is seeking recovery approval. In lieu of providing copies of such rulings, the applicant may provide a link to where such information can be found on the Internet.   |                 | 5            | 1         |   |

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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| 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 | 2444 | 2445 | 2446 | 2447 | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2459 | 2460 | 2461 | 2462 | 2463 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2473 | 2474 | 2475 | 2476 | 2477 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 | 2487 | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2494 | 2495 | 2496 | 2497 | 2498 | 2499 | 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2546 | 2547 | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 | 2696 | 2697 | 2698 | 2699 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 | 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 | 2746 | 2747 | 2748 | 2749 | 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 | 2778 | 2779 | 2780 | 2781 | 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 | 2796 | 2797 | 2798 | 2799 | 2800 | 2801 | 2802 | 2803 | 2804 | 2805 | 2806 | 2807 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2815 | 2816 | 2817 | 2818 | 2819 | 2820 | 2821 | 2822 | 2823 | 2824 | 2825 | 2826 | 2827 | 2828 | 2829 | 2830 | 2831 | 2832 | 2833 | 2834 | 2835 | 2836 | 2837 | 2838 | 2839 | 2840 | 2841 | 2842 | 2843 | 2844 | 2845 | 2846 | 2847 | 2848 | 2849 | 2850 | 2851 | 2852 | 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2868 | 2869 | 2870 | 2871 | 2872 | 2873 | 2874 | 2875 | 2876 | 2877 | 2878 | 2879 | 2880 | 2881 | 2882 | 2883 | 2884 | 2885 | 2886 | 2887 | 2888 | 2889 | 2890 | 2891 | 2892 | 2893 | 2894 | 2895 | 2896 | 2897 | 2898 | 2899 | 2900 | 2901 | 2902 | 2903 | 2904 | 2905 | 2906 | 2907 | 2908 | 2909 | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2916 | 2917 | 2918 | 2919 | 2920 | 2921 | 2922 | 2923 | 2924 | 2925 | 2926 | 2927 | 2928 | 2929 | 2930 | 2931 | 2932 | 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2939 | 2940 | 2941 | 2942 | 2943 | 2944 | 2945 | 2946 | 2947 | 2948 | 2949 | 2950 | 2951 | 2952 | 2953 | 2954 | 2955 | 2956 | 2957 | 2958 | 2959 | 2960 | 2961 | 2962 | 2963 | 2964 | 2965 | 2966 | 2967 | 2968 | 2969 | 2970 | 2971 | 2972 | 2973 | 2974 | 2975 | 2976 | 2977 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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[illegible]

|     |    |         |      |    |      |      |        |    |    |
|-----|----|---------|------|----|------|------|--------|----|----|
| 姓名  | 性别 | 出生年月    | 籍贯   | 民族 | 文化程度 | 政治面貌 | 工作单位   | 职务 | 备注 |
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| 吴永年 | 男  | 1975.09 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 陈永年 | 男  | 1980.01 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 林永年 | 男  | 1985.06 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 孙永年 | 男  | 1990.11 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 周永年 | 男  | 1995.04 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 吴永年 | 男  | 2000.08 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 陈永年 | 男  | 2005.12 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 林永年 | 男  | 2010.05 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 孙永年 | 男  | 2015.09 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 周永年 | 男  | 2020.01 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 吴永年 | 男  | 2025.06 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 陈永年 | 男  | 2030.11 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 林永年 | 男  | 2035.04 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 孙永年 | 男  | 2040.08 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 周永年 | 男  | 2045.12 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 吴永年 | 男  | 2050.05 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 陈永年 | 男  | 2055.09 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 林永年 | 男  | 2060.01 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 孙永年 | 男  | 2065.06 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 周永年 | 男  | 2070.11 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 吴永年 | 男  | 2075.04 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 陈永年 | 男  | 2080.08 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 林永年 | 男  | 2085.12 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 孙永年 | 男  | 2090.05 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 周永年 | 男  | 2095.09 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 吴永年 | 男  | 2100.01 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 陈永年 | 男  | 2105.06 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 林永年 | 男  | 2110.11 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 孙永年 | 男  | 2115.04 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 周永年 | 男  | 2120.08 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 吴永年 | 男  | 2125.12 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 陈永年 | 男  | 2130.05 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 林永年 | 男  | 2135.09 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 孙永年 | 男  | 2140.01 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 周永年 | 男  | 2145.06 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 吴永年 | 男  | 2150.11 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 陈永年 | 男  | 2155.04 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 林永年 | 男  | 2160.08 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 孙永年 | 男  | 2165.12 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 周永年 | 男  | 2170.05 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 吴永年 | 男  | 2175.09 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 陈永年 | 男  | 2180.01 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 林永年 | 男  | 2185.06 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 孙永年 | 男  | 2190.11 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 周永年 | 男  | 2195.04 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 吴永年 | 男  | 2200.08 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 陈永年 | 男  | 2205.12 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 林永年 | 男  | 2210.05 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 孙永年 | 男  | 2215.09 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 周永年 | 男  | 2220.01 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 吴永年 | 男  | 2225.06 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 陈永年 | 男  | 2230.11 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 林永年 | 男  | 2235.04 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 孙永年 | 男  | 2240.08 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 周永年 | 男  | 2245.12 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 吴永年 | 男  | 2250.05 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 陈永年 | 男  | 2255.09 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 林永年 | 男  | 2260.01 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 孙永年 | 男  | 2265.06 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 周永年 | 男  | 2270.11 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 吴永年 | 男  | 2275.04 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 陈永年 | 男  | 2280.08 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 林永年 | 男  | 2285.12 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 孙永年 | 男  | 2290.05 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 周永年 | 男  | 2295.09 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 吴永年 | 男  | 2300.01 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 陈永年 | 男  | 2305.06 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 林永年 | 男  | 2310.11 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 孙永年 | 男  | 2315.04 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 周永年 | 男  | 2320.08 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 吴永年 | 男  | 2325.12 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 陈永年 | 男  | 2330.05 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 林永年 | 男  | 2335.09 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 孙永年 | 男  | 2340.01 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 周永年 | 男  | 2345.06 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 吴永年 | 男  | 2350.11 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 陈永年 | 男  | 2355.04 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 林永年 | 男  | 2360.08 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 孙永年 | 男  | 2365.12 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 周永年 | 男  | 2370.05 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 吴永年 | 男  | 2375.09 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 陈永年 | 男  | 2380.01 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 林永年 | 男  | 2385.06 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 孙永年 | 男  | 2390.11 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 周永年 | 男  | 2395.04 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 吴永年 | 男  | 2400.08 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 陈永年 | 男  | 2405.12 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 林永年 | 男  | 2410.05 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 孙永年 | 男  | 2415.09 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 周永年 | 男  | 2420.01 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 吴永年 | 男  | 2425.06 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 陈永年 | 男  | 2430.11 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 林永年 | 男  | 2435.04 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 孙永年 | 男  | 2440.08 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 周永年 | 男  | 2445.12 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 吴永年 | 男  | 2450.05 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 陈永年 | 男  | 2455.09 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 林永年 | 男  | 2460.01 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 孙永年 | 男  | 2465.06 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 周永年 | 男  | 2470.11 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 吴永年 | 男  | 2475.04 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 陈永年 | 男  | 2480.08 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 林永年 | 男  | 2485.12 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 孙永年 | 男  | 2490.05 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 周永年 | 男  | 2495.09 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 吴永年 | 男  | 2500.01 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 陈永年 | 男  | 2505.06 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 林永年 | 男  | 2510.11 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 孙永年 | 男  | 2515.04 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 周永年 | 男  | 2520.08 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 吴永年 | 男  | 2525.12 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 陈永年 | 男  | 2530.05 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 林永年 | 男  | 2535.09 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 孙永年 | 男  | 2540.01 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 周永年 | 男  | 2545.06 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 吴永年 | 男  | 2550.11 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 陈永年 | 男  | 2555.04 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 林永年 | 男  | 2560.08 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 孙永年 | 男  | 2565.12 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 周永年 | 男  | 2570.05 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 吴永年 | 男  | 2575.09 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 陈永年 | 男  | 2580.01 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 林永年 | 男  | 2585.06 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 孙永年 | 男  | 2590.11 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 周永年 | 男  | 2595.04 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 吴永年 | 男  | 2600.08 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 陈永年 | 男  | 2605.12 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 林永年 | 男  | 2610.05 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 孙永年 | 男  | 2615.09 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 周永年 | 男  | 2620.01 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 吴永年 | 男  | 2625.06 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 陈永年 | 男  | 2630.11 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 林永年 | 男  | 2635.04 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 孙永年 | 男  | 2640.08 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 周永年 | 男  | 2645.12 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 吴永年 | 男  | 2650.05 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 陈永年 | 男  | 2655.09 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 林永年 | 男  | 2660.01 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 孙永年 | 男  | 2665.06 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 周永年 | 男  | 2670.11 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 吴永年 | 男  | 2675.04 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 陈永年 | 男  | 2680.08 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 林永年 | 男  | 2685.12 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 孙永年 | 男  | 2690.05 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 周永年 | 男  | 2695.09 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 吴永年 | 男  | 2700.01 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 陈永年 | 男  | 2705.06 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 林永年 | 男  | 2710.11 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 孙永年 | 男  | 2715.04 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 周永年 | 男  | 2720.08 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 吴永年 | 男  | 2725.12 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 陈永年 | 男  | 2730.05 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 林永年 | 男  | 2735.09 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 孙永年 | 男  | 2740.01 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 周永年 | 男  | 2745.06 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 吴永年 | 男  | 2750.11 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 陈永年 | 男  | 2755.04 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 林永年 | 男  | 2760.08 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 孙永年 | 男  | 2765.12 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 周永年 | 男  | 2770.05 | 安徽合肥 | 汉族 | 大学   | 中共党员 | 安徽省公安厅 | 处长 |    |
| 吴永年 | 男  | 2775.09 | 浙江杭州 | 汉族 | 大学   | 中共党员 | 浙江省公安厅 | 处长 |    |
| 陈永年 | 男  | 2780.01 | 广东广州 | 汉族 | 大学   | 中共党员 | 广东省公安厅 | 处长 |    |
| 林永年 | 男  | 2785.06 | 福建福州 | 汉族 | 大学   | 中共党员 | 福建省公安厅 | 处长 |    |
| 孙永年 | 男  | 2790.11 | 江西九江 | 汉族 | 大学   | 中共党员 | 江西省公安厅 | 处长 |    |
| 周永年 | 男  | 2795.04 | 湖南长沙 | 汉族 | 大学   | 中共党员 | 湖南省公安厅 | 处长 |    |
| 吴永年 | 男  | 2800.08 | 湖北武汉 | 汉族 | 大学   | 中共党员 | 湖北省公安厅 | 处长 |    |
| 陈永  |    |         |      |    |      |      |        |    |    |

[illegible]

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|     |   |    |     |    |    |     |         |       |      |  |
|-----|---|----|-----|----|----|-----|---------|-------|------|--|
| 王德胜 | 男 | 45 | 山东  | 汉族 | 高中 | 工人  | 山东钢铁厂   | 济南市   | 1234 |  |
| 李小明 | 男 | 32 | 江苏  | 汉族 | 大学 | 教师  | 江苏大学    | 镇江市   | 5678 |  |
| 张小红 | 女 | 28 | 浙江  | 汉族 | 初中 | 售货员 | 杭州百货公司  | 杭州市   | 9012 |  |
| 赵国强 | 男 | 55 | 河南  | 汉族 | 小学 | 农民  | 河南农村    | 郑州市   | 3456 |  |
| 孙丽娟 | 女 | 40 | 湖北  | 汉族 | 高中 | 护士  | 武汉市第一医院 | 武汉市   | 7890 |  |
| 周大伟 | 男 | 38 | 四川  | 汉族 | 大学 | 工程师 | 四川电力设计院 | 成都市   | 2345 |  |
| 吴小芳 | 女 | 25 | 广东  | 汉族 | 初中 | 服务员 | 广州大酒店   | 广州市   | 6789 |  |
| 郑为民 | 男 | 50 | 安徽  | 汉族 | 小学 | 工人  | 安徽钢铁厂   | 合肥市   | 1011 |  |
| 冯志远 | 男 | 42 | 湖南  | 汉族 | 高中 | 干部  | 湖南省政府   | 长沙市   | 4567 |  |
| 陈永年 | 男 | 60 | 江西  | 汉族 | 小学 | 农民  | 江西农村    | 南昌市   | 8901 |  |
| 林秀英 | 女 | 35 | 福建  | 汉族 | 大学 | 教授  | 福建师范大学  | 福州市   | 2109 |  |
| 黄志强 | 男 | 48 | 广西  | 汉族 | 高中 | 工人  | 广西糖厂    | 南宁市   | 5432 |  |
| 刘国栋 | 男 | 52 | 贵州  | 汉族 | 小学 | 工人  | 贵州钢铁厂   | 贵阳市   | 9876 |  |
| 周美兰 | 女 | 30 | 云南  | 汉族 | 初中 | 售货员 | 昆明百货公司  | 昆明市   | 3210 |  |
| 吴德胜 | 男 | 45 | 陕西  | 汉族 | 高中 | 工人  | 陕西钢铁厂   | 西安市   | 6543 |  |
| 李小红 | 女 | 28 | 甘肃  | 汉族 | 初中 | 售货员 | 兰州百货公司  | 兰州市   | 0987 |  |
| 张国强 | 男 | 55 | 宁夏  | 汉族 | 小学 | 工人  | 宁夏钢铁厂   | 银川市   | 4321 |  |
| 孙丽娟 | 女 | 40 | 青海  | 汉族 | 高中 | 教师  | 青海大学    | 西宁市   | 7654 |  |
| 周大伟 | 男 | 38 | 新疆  | 汉族 | 大学 | 工程师 | 新疆电力设计院 | 乌鲁木齐市 | 1098 |  |
| 吴小芳 | 女 | 25 | 内蒙古 | 汉族 | 初中 | 服务员 | 呼和浩特大酒店 | 呼和浩特市 | 5678 |  |
| 郑为民 | 男 | 50 | 吉林  | 汉族 | 小学 | 工人  | 吉林钢铁厂   | 长春市   | 9012 |  |
| 冯志远 | 男 | 42 | 辽宁  | 汉族 | 高中 | 干部  | 辽宁省政府   | 沈阳市   | 3456 |  |
| 陈永年 | 男 | 60 | 黑龙江 | 汉族 | 小学 | 工人  | 黑龙江钢铁厂  | 哈尔滨市  | 7890 |  |
| 林秀英 | 女 | 35 | 河北  | 汉族 | 大学 | 教授  | 河北师范大学  | 石家庄市  | 2345 |  |
| 黄志强 | 男 | 48 | 山西  | 汉族 | 高中 | 工人  | 山西钢铁厂   | 太原市   | 6789 |  |
| 刘国栋 | 男 | 52 | 山东  | 汉族 | 小学 | 工人  | 山东钢铁厂   | 济南市   | 1011 |  |
| 周美兰 | 女 | 30 | 河南  | 汉族 | 初中 | 售货员 | 郑州百货公司  | 郑州市   | 4567 |  |
| 吴德胜 | 男 | 45 | 湖北  | 汉族 | 高中 | 工人  | 湖北钢铁厂   | 武汉市   | 8901 |  |
| 李小红 | 女 | 28 | 四川  | 汉族 | 初中 | 售货员 | 成都百货公司  | 成都市   | 2109 |  |
| 张国强 | 男 | 55 | 广东  | 汉族 | 小学 | 工人  | 广东钢铁厂   | 广州市   | 5432 |  |
| 孙丽娟 | 女 | 40 | 广西  | 汉族 | 高中 | 教师  | 广西大学    | 南宁市   | 9876 |  |
| 周大伟 | 男 | 38 | 贵州  | 汉族 | 大学 | 工程师 | 贵州电力设计院 | 贵阳市   | 3210 |  |
| 吴小芳 | 女 | 25 | 云南  | 汉族 | 初中 | 服务员 | 昆明大酒店   | 昆明市   | 6543 |  |
| 郑为民 | 男 | 50 | 陕西  | 汉族 | 小学 | 工人  | 陕西钢铁厂   | 西安市   | 0987 |  |
| 冯志远 | 男 | 42 | 甘肃  | 汉族 | 高中 | 干部  | 甘肃省政府   | 兰州市   | 4321 |  |
| 陈永年 | 男 | 60 | 宁夏  | 汉族 | 小学 | 工人  | 宁夏钢铁厂   | 银川市   | 7654 |  |
| 林秀英 | 女 | 35 | 青海  | 汉族 | 大学 | 教授  | 青海大学    | 西宁市   | 1098 |  |
| 黄志强 | 男 | 48 | 新疆  | 汉族 | 高中 | 工人  | 新疆钢铁厂   | 乌鲁木齐市 | 5678 |  |
| 刘国栋 | 男 | 52 | 内蒙古 | 汉族 | 小学 | 工人  | 内蒙古钢铁厂  | 呼和浩特市 | 9012 |  |
| 周美兰 | 女 | 30 | 吉林  | 汉族 | 初中 | 售货员 | 长春百货公司  | 长春市   | 3456 |  |
| 吴德胜 | 男 | 45 | 辽宁  | 汉族 | 高中 | 工人  | 辽宁钢铁厂   | 沈阳市   | 7890 |  |
| 李小红 | 女 | 28 | 黑龙江 | 汉族 | 初中 | 售货员 | 哈尔滨百货公司 | 哈尔滨市  | 2345 |  |
| 张国强 | 男 | 55 | 河北  | 汉族 | 小学 | 工人  | 河北钢铁厂   | 石家庄市  | 6789 |  |
| 孙丽娟 | 女 | 40 | 山西  | 汉族 | 高中 | 教师  | 山西大学    | 太原市   | 1011 |  |
| 周大伟 | 男 | 38 | 山东  | 汉族 | 大学 | 工程师 | 山东电力设计院 | 济南市   | 4567 |  |
| 吴小芳 | 女 | 25 | 河南  | 汉族 | 初中 | 服务员 | 郑州大酒店   | 郑州市   | 8901 |  |
| 郑为民 | 男 | 50 | 湖北  | 汉族 | 小学 | 工人  | 湖北钢铁厂   | 武汉市   | 2109 |  |
| 冯志远 | 男 | 42 | 四川  | 汉族 | 高中 | 干部  | 四川省政府   | 成都市   | 5432 |  |
| 陈永年 | 男 | 60 | 广东  | 汉族 | 小学 | 工人  | 广东钢铁厂   | 广州市   | 9876 |  |
| 林秀英 | 女 | 35 | 广西  | 汉族 | 大学 | 教授  | 广西师范大学  | 南宁市   | 3210 |  |
| 黄志强 | 男 | 48 | 贵州  | 汉族 | 高中 | 工人  | 贵州钢铁厂   | 贵阳市   | 6543 |  |
| 刘国栋 | 男 | 52 | 云南  | 汉族 | 小学 | 工人  | 云南钢铁厂   | 昆明市   | 9876 |  |

[illegible]

APPALACHIAN POWER COMPANY - VIRGINIA  
SUBSECTION A-4 COSTS  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
PUR-2022-00014  
COST OF SERVICE SUMMARY  
Rate Year Beginning August 1, 2022

APCO Exhibit No. \_\_\_\_\_  
Witness KIW  
Schedule 46  
Sect 1 Siml 1-COS- Summary  
Page 1 of 57

Recovery Item 1- Current Subsection A-4 Costs

| Line No. | Line Item   | Amount                | Item Location  |
|----------|---|-----------------------|--|
| 1        | Network Integration Transmission Service Charges      | \$ 315,014,198        | Schedule 46, Section 1 Statement 2, Page 1 of 1; Col. (E); Line 1  |
| 2        | Firm and Non-Firm Point to Point Transmission Credits | \$ (3,170,404)        | Schedule 46, Section 1 Statement 2, Page 1 of 1; Col. (E); Line 2  |
| 3        | Ancillary Service Schedule 1A Charges                 | \$ (267,702)          | Schedule 46, Section 1 Statement 2, Page 1 of 1; Col. (E); Line 3  |
| 4        | PJM Transmission Enhancement Charges                  | \$ 22,752,279         | Schedule 46, Section 1 Statement 2, Page 1 of 1; Col. (E); Line 6  |
| 5        | PJM Administrative Charges                            | \$ 3,637,161          | Schedule 46, Section 1 Statement 2, Page 1 of 1; Col. (E); Line 12 |
| 6        | Demand Response Program Cost Recovery                 | \$ -                  | Schedule 46, Section 1 Statement 2, Page 1 of 1; Col. (E); Line 13 |
| 7        | Subtotal T-RAC Current Cost of Service (Line 1 - 6)   | <u>\$ 337,965,532</u> |  |

Recovery Item 2- True-Up of Subsection A-4 Costs

|   |   |                      |                                     |
|---|---|----------------------|-------------------------------------|
| 8 | T-RAC Prior Period True-up as of 2/2022 | \$ 19,508,744        | Schedule 46, Section 1, Statement 1 |
| 9 | Subtotal T-RAC True Up (Line 8)         | <u>\$ 19,508,744</u> |                                     |

Recovery Item 3- Update-March 2022 thru July 2022

|    |  |                       |   |
|----|--|-----------------------|---|
| 10 | Update Period March 2022 thru July 2022                      | \$ 7,402,973          | Schedule 46, Section 1, Statement 6, Page 1 of 1; Line 25 (A) |
| 11 | Subtotal T-RAC Update (Line 10)                              | <u>\$ 7,402,973</u>   |   |
| 12 | Total Formula Rate Section A-4 Cost of Service (Line 7+9+11) | <u>\$ 364,877,249</u> |   |

Demand

\$ 365,061,076

Energy

\$ (183,826)  
\$ 364,877,249

PUR-2021-00018 (Energy \$/ Total T-RAC Revenue Requirement)  
Current Cost of Service (Energy \$/ Total T-RAC Revenue Requirement)

0.460%  
-0.079%

APCO Exhibit No. \_\_\_\_\_

APPCO Electric Inc.  
 10000 Highway 100  
 Springfield, VA 22154  
 Sent: 5/10/2022 2:00:00 PM  
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APPCO Electric Inc.  
 TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
 PUR-2022-00014  
 COST OF SERVICE - ITEMIZATION  
 Rate Year Beginning August 1, 2022

Cost of Service 08/01/2022 - 07/31/2023

| Line No. | Description   | APCO's Transmission Expense | VA Juris. % | Allocator Description | VA's Transmission Expense | APCO Total Transmission Expense Item                         | Cost of Service | RTEP Projects | PJM Admin Cost |
|----------|---|-----------------------------|-------------|-----------------------|---------------------------|--|-----------------|---------------|----------------|
| 1        | Network Integration Transmission Service (NITS) Charges   | \$ 592,942,277              | 53.13%      | Demand                | \$ 315,014,188            | Schedule 46, Section 1 Statement 3, Page 1 of 1 Line 7       |                 |               |                |
| 2        | Point to Point Transmission Service Credits   | \$ (5,987,662)              | 53.13%      | Demand                | \$ (3,176,404)            | Schedule 46, Section 1 Statement 3, Page 1 of 1 Line 8       |                 |               |                |
| 3        | Ancillary Service Schedule 1A Charges<br>(Transmission Owner Scheduling, System Control and Load Dispatching) | \$ (514,713)                | 52.01%      | Energy                | \$ (267,702)              | Schedule 46, Section 1 Statement 3, Page 1 of 1 Line 14      |                 |               |                |
| 4        | PJM Transmission Enhancement Charges (Schedule 12)  | \$ 45,988,277               | 53.13%      | Demand                | \$ 24,431,916             | Schedule 46, Section 1, Statement 4 Page 22 of 22 APCo RTEP  |                 |               |                |
| 5        | Schedule 12 RTEP Projects<br>Transmission Enhancement Charge Adjustment (FERC EL05-121-009)                   | \$ (3,161,567)              | 53.13%      | Demand                | \$ (1,679,637)            |  |                 |               |                |
| 6        | Total of PJM Transmission Enhancement Charges   | \$ 42,826,691               |             |                       | \$ 22,752,279             |  |                 |               |                |
| 7        | PJM Administrative Charges:   |                             |             |                       |                           |  |                 |               |                |
| 8        | PJM Admin - SSC & OS - Internal   | \$ 5,757,343                | 48.81%      | Demand                | \$ 2,810,431              | Schedule 46, Section 1, Statement 5, Page 1 of 1 5614001 (A) |                 |               |                |
| 9        | PJM Admin - RP & SOS - Internal   | \$ 1,693,808                | 48.81%      | Demand                | \$ 828,730                | Schedule 46, Section 1, Statement 5, Page 1 of 1 5618001 (B) |                 |               |                |
| 10       | PJM Admin - MAM & SC - Internal   | \$ -                        | 48.81%      | Demand                | \$ -                      | Not Applicable   |                 |               |                |
| 11       | PJM Admin - Defaults LSE  | \$ -                        | 48.81%      | Demand                | \$ -                      | Not Applicable   |                 |               |                |
| 12       | PJM Administrative Charges (Line 8 - 11)  | \$ 7,450,951                |             |                       | \$ 3,637,161              |  |                 |               |                |
| 13       | Demand Response Program Cost Recovery   | \$ -                        | 53.13%      | Demand                | \$ -                      |  |                 |               |                |
| 14       | Total T-RAC Revenue Requirement (Line 1 + 2 + 3 + 6 + 12 + 13)  | \$ 638,747,543              |             |                       | \$ 337,945,532            |  |                 |               |                |

Notes

12 Month Demand & Energy Study of Transmission - Excludes Knoppsport and FERC Customers (December)  
 12 Month Demand and Energy Study - Includes Knoppsport and FERC Customers (December)



[illegible]

**Source:** Based on ILO's estimate January 1, 2022, per AFTA 1976 relations & corrected tables  
Aug - October = ACP 152 Actual 2022 Interim Service Fee List (AFTA)  
(H) Average of APCs 17 candidate states (1978) through 1981 of other party  
(D) Estimated PJM Point in Pure Transferring Service Credits  
(F) Estimated FICA Taxes from AFTA 1976 Point 1, 1978

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Transmission Enhancement Charges (PJM OATT Schedule 12) Settlement Worksheet

Required Transmission Enhancements owned by: Trans-Allegheny Interstate Line Company (TrAILCo)

| PJM Upgrade  | Annual Revenue | Monthly Revenue                       |               |
|--------------|----------------|---------------------------------------|---------------|
| ID           | Requirement    | Requirement<br>(June 2021 - May 2022) | AEP           |
| b0216        | 2483225.22     | \$ 208,935.44                         | 13.94%        |
|              |                |                                       | \$ 28,846.80  |
| b0216_dfax   | 2483225.22     | \$ 208,935.44                         |               |
|              |                |                                       | \$ -          |
| b0218        | 2372009.746    | \$ 197,667.48                         |               |
|              |                |                                       | \$ -          |
| b0328.1      | 59759048.64    | \$ 4,979,920.72                       | 13.94%        |
| b0328.2      |                |                                       | \$ 694,200.95 |
| b0347.1      |                |                                       |               |
| b0347.2      |                |                                       |               |
| b0347.3      |                |                                       |               |
| b0347.4      |                |                                       |               |
| b0328.1_dfax | 0              | \$ -                                  |               |
|              |                |                                       | \$ -          |
| b0328.2_dfax | 2999904.241    | \$ 249,992.02                         |               |
|              |                |                                       | \$ -          |
| b0347.1_dfax | 13893978.81    | \$ 1,157,831.57                       |               |
|              |                |                                       | \$ -          |
| b0347.2_dfax | 37648200.64    | \$ 3,137,350.05                       |               |
|              |                |                                       | \$ -          |
| b0347.3_dfax | 3824578.113    | \$ 318,714.93                         |               |
|              |                |                                       | \$ -          |
| b0347.4_dfax | 1392385.833    | \$ 116,032.15                         |               |
|              |                |                                       | \$ -          |
| b0323        | 202083.2803    | \$ 16,840.27                          |               |
|              |                |                                       | \$ -          |
| b0230        | 3406832.036    | \$ 283,902.67                         |               |
|              |                |                                       | \$ -          |
| b0559        | 331803.555     | \$ 27,650.30                          | 13.94%        |
|              |                |                                       | \$ 3,854.45   |
| b0559_dfax   | 331803.555     | \$ 27,650.30                          |               |
|              |                |                                       | \$ -          |
| b0229        | 778444.5442    | \$ 64,870.38                          |               |
|              |                |                                       |               |
| b0495        | 2024220.205    | \$ 168,685.02                         | 13.94%        |
|              |                |                                       | \$ 23,514.69  |
| b0495_dfax   | 2024220.205    | \$ 168,685.02                         | 2.21%         |
|              |                |                                       | \$ 3,727.94   |
| b0343        | 538697.874     | \$ 44,891.49                          |               |
|              |                |                                       | \$ -          |
| b0344        | 632704.1768    | \$ 52,725.35                          |               |
|              |                |                                       | \$ -          |
| b0345        | 458173.463     | \$ 38,181.12                          |               |
|              |                |                                       | \$ -          |
| b0704        | 793496.429     | \$ 65,124.70                          |               |
|              |                |                                       | \$ -          |
| b1243        | 220681.4366    | \$ 18,390.12                          |               |
|              |                |                                       | \$ -          |
| b0563        | 226729.3826    | \$ 18,894.12                          |               |
|              |                |                                       | \$ -          |

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|                  |             |    |            |              |
|------------------|-------------|----|------------|--------------|
| b0564            | 93421.25609 | \$ | 7,785.10   |              |
|                  |             |    |            | \$ -         |
| b0674            | 2644729.154 | \$ | 220,394.10 |              |
|                  |             |    |            | \$ -         |
| b0674.1          | 0           | \$ | -          |              |
|                  |             |    |            | \$ -         |
| b1023.3          | 126071.4264 | \$ | 10,505.95  |              |
|                  |             |    |            | \$ -         |
| b1770            | 49658.37984 | \$ | 4,138.20   |              |
|                  |             |    |            | \$ -         |
| b1990            | 73077.71138 | \$ | 6,089.81   |              |
|                  |             |    |            | \$ -         |
| b1985            | 136039.3194 | \$ | 11,336.61  |              |
|                  |             |    |            | \$ -         |
| b1839            | 200894.7915 | \$ | 16,741.23  |              |
|                  |             |    |            | \$ -         |
| b1998            | 261329.216  | \$ | 21,777.43  |              |
|                  |             |    |            | \$ -         |
| b0556            | 99370.10048 | \$ | 8,280.84   |              |
|                  |             |    |            | \$ -         |
| b1153            | 3249954.409 | \$ | 270,829.53 |              |
|                  |             |    |            | \$ -         |
| b1023.1          | 1606519.324 | \$ | 133,876.61 |              |
|                  |             |    |            | \$ -         |
| b1941            | 3213702.32  | \$ | 267,808.53 |              |
|                  |             |    |            | \$ -         |
| b1803            | 281890.92   | \$ | 23,490.91  | 13.94%       |
|                  |             |    |            | \$ 3,274.63  |
| b1803_dfax       | 281890.92   | \$ | 23,490.91  |              |
|                  |             |    |            | \$ -         |
| b1800            | 2483583.805 | \$ | 206,965.32 | 13.94%       |
|                  |             |    |            | \$ 28,850.97 |
| b1800_dfax       | 2483583.805 | \$ | 206,965.32 |              |
|                  |             |    |            | \$ -         |
| b1804            | 2178570.551 | \$ | 181,547.55 | 13.94%       |
|                  |             |    |            | \$ 25,307.73 |
| b1804_dfax       | 2178570.551 | \$ | 181,547.55 |              |
|                  |             |    |            | \$ -         |
| b2433.1-b.2433.3 | 6888888.311 | \$ | 574,074.03 |              |
|                  |             |    |            | \$ -         |
| b1967            | 376008.0421 | \$ | 31,334.00  |              |
|                  |             |    |            | \$ -         |
| b1609            | 1098197.492 | \$ | 91,516.46  |              |
| b1769            |             |    |            | \$ -         |
| b1945            | 554642.3627 | \$ | 46,220.20  |              |
|                  |             |    |            | \$ -         |
| b1610            | 133910.2502 | \$ | 11,159.19  |              |
|                  |             |    |            | \$ -         |
| b1801            | 4095115.99  | \$ | 341,259.67 | 2.58%        |
|                  |             |    |            | \$ 8,804.50  |
| b1664            | 863817.7395 | \$ | 71,984.81  |              |
|                  |             |    |            | \$ -         |
| b2342            | 172341.407  | \$ | 14,361.78  |              |
|                  |             |    |            | \$ -         |
| b1672            | 64432.27459 | \$ | 5,369.36   |              |
|                  |             |    |            | \$ -         |
| b2343            | 101445.964  | \$ | 8,453.83   |              |
|                  |             |    |            | \$ -         |
| b1840            | 2290709.908 | \$ | 190,892.49 |              |
|                  |             |    |            | \$ -         |
| b2235            | 4421111.778 | \$ | 368,425.98 |              |

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|               |                          |           |                      |           |                   |
|---------------|--------------------------|-----------|----------------------|-----------|-------------------|
| b2260         | 80691 1895               | \$        | 6,724.27             | \$        | -                 |
| b1802         | 0                        | \$        | -                    | \$        | 2.56%             |
| b1608         | 2685526.677              | \$        | 223,793.89           | \$        | -                 |
| b2944         | 1248734.496              | \$        | 104,061.21           | \$        | -                 |
| b0555         | 166579.8167              | \$        | 13,881.65            | \$        | -                 |
| b1943         | 889825 1824              | \$        | 74,152.10            | \$        | -                 |
| b2364-b2364 1 | 2219168.245              | \$        | 184,930.69           | \$        | -                 |
| b2362         | 3721566.325              | \$        | 310,130.53           | \$        | -                 |
| b2158         | 205097.3499              | \$        | 17,091.45            | \$        | -                 |
| b2546         | 108826.0632              | \$        | 9,068.84             | \$        | -                 |
| b2545         | 8951680.306              | \$        | 745,973.36           | \$        | -                 |
| b2441         | 5638213.272              | \$        | 469,684.44           | \$        | -                 |
| b2547 1       | 5828717.768              | \$        | 485,726.48           | \$        | -                 |
| b2475         | 13257164.42              | \$        | 1,104,763.70         | \$        | -                 |
| b1991         | 4591752.51               | \$        | 382,648.04           | \$        | -                 |
| b2261         | 250375.4753              | \$        | 20,864.62            | \$        | -                 |
| b2494         | 2859755.075              | \$        | 239,146.26           | \$        | -                 |
| s1041         | 0                        | \$        | -                    | \$        | -                 |
| b2587         | 1296701.922              | \$        | 108,058.49           | \$        | -                 |
| b2118         | 62545.41977              | \$        | 5,212.12             | \$        | -                 |
| b2996-b2996.2 | 2258215.713              | \$        | 188,184.64           | \$        | -                 |
| <b>TOTAL</b>  | <b>\$ 237,859,064.30</b> | <b>\$</b> | <b>19,821,588.69</b> | <b>\$</b> | <b>820,382.65</b> |

Required Transmission Enhancements owned by: Potomac-Appalachian Transmission Highline, L.L.C. (PATH)

| PJM Upgrade ID   | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP                 |
|------------------|----------------------------|--|---------------------|
| b0490            | \$ 416,095.50              | \$ 34,674.63                                 | 13.94%              |
| b0491            |                            |  | \$ 4,833.64         |
| b0490-b0491_dfax | \$ 416,095.50              | \$ 34,674.63                                 | 4.39%               |
|                  |                            |  | \$ 1,522.22         |
| b0492            | \$ 430,457.50              | \$ 35,871.46                                 | 13.94%              |
| b0560            |                            |  | \$ 5,000.48         |
| b0492-b0560_dfax | \$ 430,457.50              | \$ 35,871.46                                 | 4.39%               |
|                  |                            |  | \$ 1,574.76         |
| <b>TOTAL</b>     | <b>\$ 1,693,106.00</b>     | <b>\$ 141,092.17</b>                         | <b>\$ 12,931.10</b> |

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Required Transmission Enhancements owned by: Baltimore Gas and Electric Company's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP                    |
|----------------|----------------------------|---|------------------------|
| b0298          | 6195174                    | \$ 516,284.50   | \$ -                   |
| b0244          | 4613094                    | \$ 384,424.50   | \$ -                   |
| b0477          | 2933541                    | \$ 244,461.75   | \$ -                   |
| b0497          | 2843310                    | \$ 238,942.50   | \$ -                   |
| b1018          | 11671119                   | \$ 972,593.25   | \$ -                   |
| b1251          | 3131602                    | \$ 260,966.83   | \$ -                   |
| b1251.1        | 3929377                    | \$ 327,448.08   | \$ -                   |
| b2766.1        | 1132401.5                  | \$ 94,366.79  | 13.94%<br>\$ 13,154.73 |
| b2766.1_dfax   | 1132401.5                  | \$ 94,366.79  | \$ -                   |
| b2992.3        | 87986                      | \$ 7,332.17   | 2.25%<br>\$ 164.97     |
| b2992.4        | 2956492                    | \$ 246,374.33   | 2.25%<br>\$ 5,543.42   |
| <b>TOTAL</b>   | <b>\$ 40,626,498.00</b>    | <b>\$ 3,385,541.50</b>                                | <b>\$ 18,863.13</b>    |

Required Transmission Enhancements owned by: Dominion Virginia Power's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(Jan - Dec 2022) | AEP                     |
|----------------|----------------------------|---|-------------------------|
| b0217          | \$ 109,711.05              | \$ 9,142.59                                     | 13.94%<br>\$ 1,274.48   |
| b0217_dfax     | \$ 109,711.05              | \$ 9,142.59                                     | \$ -                    |
| b0222          | \$ 89,857.02               | \$ 7,488.09                                     | 13.94%<br>\$ 1,043.84   |
| b0222_dfax     | \$ 89,857.02               | \$ 7,488.09                                     | \$ -                    |
| b0226          | \$ 811,918.81              | \$ 75,993.23                                    | \$ -                    |
| b0403          | \$ 928,798.42              | \$ 77,483.20                                    | \$ -                    |
| b0328.1        | \$ 13,722,010.85           | \$ 1,143,500.90                                 | 13.94%<br>\$ 159,404.03 |
| b0328.1_dfax   | \$ 13,722,010.85           | \$ 1,143,500.90                                 | \$ -                    |
| b0328.3        | \$ 830,844.65              | \$ 69,237.05                                    | 13.94%<br>\$ 9,651.65   |
| b0328.3_dfax   | \$ 830,844.65              | \$ 69,237.05                                    | \$ -                    |
| b0328.4        | \$ 189,542.77              | \$ 15,795.23                                    | 13.94%<br>\$ 2,201.86   |
| b0328.4_dfax   | \$ 189,542.77              | \$ 15,795.23                                    | \$ -                    |

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|---------------|------------------|-----------------|---------------|
| b0768         | \$ 2 846 122 36  | \$ 237 176 86   | \$ -          |
| b0337         | \$ 731 568 89    | \$ 60 234 07    | \$ -          |
| b0311         | \$ 369 352 70    | \$ 30 779 39    | \$ -          |
| b0231         | \$ 1 183,839 64  | \$ 98 653 30    | \$ 13 04%     |
| b0231_dfax    | \$ 1 183,839 64  | \$ 98 653 30    | \$ 13,752.27  |
| b0456         | \$ 529 628 38    | \$ 44 135 70    | \$ -          |
| b0227         | \$ 2 291,314 41  | \$ 190 342 87   | \$ -          |
| b0455         | \$ 370 919 38    | \$ 30 909 95    | \$ -          |
| b0453.1       | \$ 174 173 67    | \$ 14 514 47    | \$ -          |
| b0453.2       | \$ 1 554,452 18  | \$ 129 537 68   | \$ -          |
| b0453.3       | \$ 368,418 24    | \$ 32 368 19    | \$ -          |
| b0837         | \$ 42,271 98     | \$ 3,522 66     | \$ 13 04%     |
| b0837_dfax    | \$ 42,271 98     | \$ 3,522 66     | \$ 491.06     |
| b0327         | \$ 882,826 78    | \$ 58 902 23    | \$ -          |
| b0329.2A      | \$ 4 877,483 92  | \$ 408 458 99   | \$ -          |
| b0329.2B      | \$ 9 859,235 82  | \$ 830 769 65   | \$ 13 04%     |
| b0329.2B_dfax | \$ 9,859,235 82  | \$ 830,769 65   | \$ 115,809.29 |
| b0467.2       | \$ 610 798 83    | \$ 52 566.57    | \$ -          |
| b1507         | \$ 19 679 640 89 | \$ 1,639 970.07 | \$ 13 04%     |
| b1507_dfax    | \$ 19 679 640 89 | \$ 1,639 970.07 | \$ 228 611.83 |
| b0457         | \$ 6 218 98      | \$ 518.25       | \$ 13 04%     |
| b0457_dfax    | \$ 6 218 98      | \$ 518.25       | \$ 72.24      |
| b0784         | \$ 4 313.41      | \$ 359.45       | \$ 13 04%     |
| b0784_dfax    | \$ 4,313.41      | \$ 359.45       | \$ 50.11      |
| b1224         | \$ 1 666 604 24  | \$ 138 883 69   | \$ -          |
| b1508.3       | \$ 144 421 20    | \$ 12 035 10    | \$ -          |
| b1647         | \$ 951 41        | \$ 79 28        | \$ 13 04%     |
| b1647_dfax    | \$ 951 41        | \$ 79 28        | \$ 11.05      |
| b1648         | \$ 951 41        | \$ 79 28        | \$ 13 04%     |
| b1648_dfax    | \$ 951 41        | \$ 79 28        | \$ 11.05      |
| b1649         | \$ 50,199 16     | \$ 4,183 26     | \$ 13 04%     |

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|              |                 |               |    |            |
|--------------|-----------------|---------------|----|------------|
|              |                 |               | \$ | 583.15     |
| b1649_dfax   | \$ 50,199.16    | \$ 4,183.26   | \$ | -          |
| b1650        | \$ 50,199.16    | \$ 4,183.26   | \$ | 13.94%     |
|              |                 |               | \$ | 583.15     |
| b1650_dfax   | \$ 50,199.16    | \$ 4,183.26   | \$ | -          |
| b1188.6      | \$ 1,907,172.64 | \$ 159,931.05 | \$ | -          |
| b1188        | \$ 82,948.58    | \$ 6,912.38   | \$ | 13.94%     |
|              |                 |               | \$ | 963.59     |
| b1188_dfax   | \$ 82,948.58    | \$ 6,912.38   | \$ | -          |
| b1321        | \$ 4,558,963.76 | \$ 379,913.65 | \$ | -          |
| b0756.1      | \$ 247,058.32   | \$ 20,588.19  | \$ | 13.94%     |
|              |                 |               | \$ | 2,869.99   |
| b0756.1_dfax | \$ 247,058.32   | \$ 20,588.19  | \$ | -          |
| b1797        | \$ 1,037,320.66 | \$ 91,443.39  | \$ | 13.94%     |
|              |                 |               | \$ | 12,747.21  |
| b1797_dfax   | \$ 1,037,320.66 | \$ 91,443.39  | \$ | 1.27%      |
|              |                 |               | \$ | 1,161.33   |
| b1799        | \$ 1,537,180.18 | \$ 132,265.01 | \$ | 13.94%     |
|              |                 |               | \$ | 18,437.74  |
| b1799_dfax   | \$ 1,537,180.18 | \$ 132,265.01 | \$ | -          |
| b1798        | \$ 6,723,162.28 | \$ 560,263.52 | \$ | 13.94%     |
|              |                 |               | \$ | 78,100.74  |
| b1798_dfax   | \$ 6,723,162.28 | \$ 560,263.52 | \$ | -          |
| b1805        | \$ 2,242,910.42 | \$ 186,909.20 | \$ | 13.94%     |
|              |                 |               | \$ | 26,055.14  |
| b1805_dfax   | \$ 2,242,910.42 | \$ 186,909.20 | \$ | -          |
| b1508.1      | \$ 7,949,247.42 | \$ 662,437.29 | \$ | -          |
| b1508.2      | \$ 1,456,462.34 | \$ 121,371.88 | \$ | -          |
| b2053        | \$ 5,342,971.32 | \$ 445,247.61 | \$ | 100.00%    |
|              |                 |               | \$ | 445,247.61 |
| b1906.1      | \$ 622,991.68   | \$ 51,915.97  | \$ | 13.94%     |
|              |                 |               | \$ | 7,237.09   |
| b1906.1_dfax | \$ 622,991.68   | \$ 51,915.97  | \$ | -          |
| b1908        | \$ 7,707,700.89 | \$ 642,308.41 | \$ | 13.94%     |
|              |                 |               | \$ | 89,537.79  |
| b1908_dfax   | \$ 7,707,700.89 | \$ 642,308.41 | \$ | -          |
| b1905.2      | \$ 117,315.11   | \$ 9,776.26   | \$ | 13.94%     |
|              |                 |               | \$ | 1,362.81   |
| b1905.2_dfax | \$ 117,315.11   | \$ 9,776.26   | \$ | -          |
| b1328        | \$ 404,530.45   | \$ 40,377.54  | \$ | -          |
| b1698        | \$ 2,733,574.98 | \$ 227,797.92 | \$ | -          |
| b1907        | \$ 2,359,230.25 | \$ 197,435.85 | \$ | -          |
| b1909        | \$ 185,207.98   | \$ 15,434.00  | \$ | -          |

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|--------------|------------------|-----------------|---------------|
| b1912        | \$ 12,149,392.45 | \$ 1,012,449.37 | \$ -          |
| b1701        | \$ 395,294.73    | \$ 32,941.23    | \$ -          |
| b1791        | \$ 424,276.50    | \$ 35,356.38    | \$ -          |
| b1694        | \$ 2,925,354.06  | \$ 243,779.51   | \$ 13,940.00  |
| b1694_dfax   | \$ 2,925,354.06  | \$ 243,779.51   | \$ 33,982.86  |
| b1911        | \$ 2,760,912.27  | \$ 230,076.02   | \$ -          |
| b2471_dfax   | \$ 492,111.88    | \$ 41,009.32    | \$ -          |
| b2471        | \$ 492,111.88    | \$ 41,009.32    | \$ 13,940.00  |
| b1905.1      | \$ 15,687,096.65 | \$ 1,307,258.05 | \$ 5,716.70   |
| b1905.1_dfax | \$ 15,687,096.65 | \$ 1,307,258.05 | \$ 182,231.77 |
| b1905.5      | \$ 828,140.43    | \$ 52,345.04    | \$ -          |
| b1696        | \$ (674,856.27)  | \$ (56,238.02)  | \$ -          |
| b2373        | \$ 2,784,769.76  | \$ 232,084.15   | \$ 13,940.00  |
| b2373_dfax   | \$ 2,784,769.76  | \$ 232,084.15   | \$ 32,349.74  |
| b1905.3      | \$ 11,821,664.22 | \$ 935,155.35   | \$ -          |
| b1905.4      | \$ 9,085,507.84  | \$ 757,125.65   | \$ -          |
| b2744_dfax   | \$ 2,013,141.40  | \$ 167,761.78   | \$ -          |
| b2744        | \$ 2,013,141.40  | \$ 167,761.78   | \$ 13,940.00  |
| b1905.6      | \$ 161,821.22    | \$ 13,485.10    | \$ 23,385.99  |
| b1905.7      | \$ 16,319.16     | \$ 1,359.93     | \$ -          |
| b1905.9      | \$ 10,150.90     | \$ 845.91       | \$ -          |
| b2582        | \$ 5,387,020.70  | \$ 448,918.39   | \$ 13,940.00  |
| b2582_dfax   | \$ 5,387,020.70  | \$ 448,918.39   | \$ 62,579.22  |
| b2443        | \$ -             | \$ -            | \$ -          |
| b2665        | \$ 5,609,943.10  | \$ 467,495.26   | \$ 13,940.00  |
| b2665_dfax   | \$ 5,609,943.10  | \$ 467,495.26   | \$ 65,168.84  |
| b2758        | \$ 3,846,317.74  | \$ 328,859.81   | \$ 13,940.00  |
| b2758_dfax   | \$ 3,846,317.74  | \$ 328,859.81   | \$ 45,843.06  |
| b2729        | \$ 1,050,704.05  | \$ 87,558.67    | \$ -          |
| b2928        | \$ 1,891,823.50  | \$ 157,651.95   | \$ 13,940.00  |

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|--------------|-------------------|------------------|--------|-----------------|
|              |                   |                  | \$     | 21,976.68       |
| b2928_dfax   | \$ 1,681,823.50   | \$ 157,651.98    |        |                 |
|              |                   |                  | \$     | -               |
| b2960.1      | \$ 1,140,114.44   | \$ 95,009.54     | 13.94% |                 |
|              |                   |                  | \$     | 13,244.33       |
| b2960.1_dfax | \$ 1,140,114.44   | \$ 95,009.54     |        |                 |
|              |                   |                  | \$     | -               |
| b2960.2      | \$ 1,015,321.45   | \$ 84,610.12     | 13.94% |                 |
|              |                   |                  | \$     | 11,794.65       |
| b2960.2_dfax | \$ 1,015,321.45   | \$ 84,610.12     |        |                 |
|              |                   |                  | \$     | -               |
| b2978        | \$ 5,053,988.95   | \$ 421,165.75    | 13.94% |                 |
|              |                   |                  | \$     | 58,710.50       |
| b2978_dfax   | \$ 5,053,988.95   | \$ 421,165.75    |        |                 |
|              |                   |                  | \$     | -               |
| b2759        | \$ 15,973,371.90  | \$ 1,331,114.32  | 13.94% |                 |
|              |                   |                  | \$     | 185,557.34      |
| b2759_dfax   | \$ 15,973,371.90  | \$ 1,331,114.32  |        |                 |
|              |                   |                  | \$     | -               |
| b3027.1      | \$ 2,716,593.83   | \$ 226,382.82    |        |                 |
|              |                   |                  | \$     | -               |
| b3019        | \$ 1,716,217.69   | \$ 143,018.14    | 13.94% |                 |
|              |                   |                  | \$     | 19,936.73       |
| b3019_dfax   | \$ 1,716,217.69   | \$ 143,018.14    |        |                 |
|              |                   |                  | \$     | -               |
| TOTAL        | \$ 350,623,223.82 | \$ 29,218,601.99 |        | \$ 1,979,750.50 |
|              | \$ 346,507,317.87 | \$ 28,875,609.83 |        |                 |
|              | \$ 4,115,905.95   | \$ 342,992.16    |        |                 |

Required Transmission Enhancements owned by: PSE&G's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP           |
|----------------|----------------------------|--|---------------|
| b0130          | \$ 1,619,301.00            | \$ 134,941.75                                |               |
|                |                            |  | \$ -          |
| b0134          | \$ 654,302.00              | \$ 55,358.50                                 |               |
|                |                            |  | \$ -          |
| b0145          | \$ 7,116,847.00            | \$ 593,070.58                                |               |
|                |                            |  | \$ -          |
| b0411          | \$ 1,802,242.00            | \$ 150,186.83                                |               |
|                |                            |  | \$ -          |
| b0498          | \$ 1,149,784.50            | \$ 95,815.38                                 | 13.94%        |
|                |                            |  | \$ 13,356.66  |
| b0498_dfax     | \$ 1,149,784.50            | \$ 95,815.38                                 |               |
|                |                            |  | \$ -          |
| b0161          | \$ 2,220,096.00            | \$ 185,008.00                                |               |
|                |                            |  | \$ -          |
| b0169          | \$ 1,357,272.00            | \$ 113,106.00                                |               |
|                |                            |  | \$ -          |
| b0170          | \$ 592,556.00              | \$ 49,379.67                                 |               |
|                |                            |  | \$ -          |
| b0489          | \$ 37,503,620.00           | \$ 3,125,301.67                              | 13.94%        |
|                |                            |  | \$ 435,667.05 |
| b0489_dfax     | \$ 37,503,620.00           | \$ 3,125,301.67                              |               |
|                |                            |  | \$ -          |
| b0489.4        | \$ 4,150,475.00            | \$ 345,872.92                                |               |
|                |                            |  | \$ -          |
| b0172.2        | \$ 1,160.00                | \$ 96.67                                     | 13.94%        |
|                |                            |  | \$ 13.48      |

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|-----------------|------------------|-----------------|--------------|
| b0172.2_dfax    | \$ 160.00        | \$ 96.67        | \$ -         |
| b0813           | \$ 221,431.00    | \$ 68,452.58    | \$ -         |
| b1017           | \$ 1,071,583.00  | \$ 155,985.25   | \$ -         |
| b1018           | \$ 1,344,322.00  | \$ 162,026.83   | \$ -         |
| b0489.5-9       | \$ 281,099.50    | \$ 23,424.96    | \$ 13,845.55 |
| b0489.5-9_dfax  | \$ 281,099.50    | \$ 23,424.96    | \$ 3,265.44  |
| b1410-1415      | \$ 755,195.50    | \$ 62,932.96    | \$ 13,845.55 |
| b1410-1415_dfax | \$ 755,195.50    | \$ 62,932.96    | \$ 8,772.85  |
| b0290           | \$ 3,573,044.00  | \$ 297,753.67   | \$ 13,845.55 |
| b0290_dfax      | \$ 3,573,044.00  | \$ 297,753.67   | \$ 41,506.86 |
| b0472           | \$ 1,338,771.00  | \$ 111,564.25   | \$ -         |
| b0664-665       | \$ 1,730,575.00  | \$ 144,214.58   | \$ -         |
| b0668           | \$ 597,301.00    | \$ 49,775.08    | \$ -         |
| b0814           | \$ 4,318,957.00  | \$ 359,913.92   | \$ -         |
| b1156           | \$ 34,386,349.00 | \$ 2,863,862.42 | \$ -         |
| b1154           | \$ 35,223,157.00 | \$ 2,935,263.08 | \$ -         |
| b1228           | \$ 2,072,604.00  | \$ 172,733.67   | \$ -         |
| b1255           | \$ 4,549,010.00  | \$ 379,084.17   | \$ -         |
| b1588           | \$ 1,169,819.00  | \$ 99,934.92    | \$ -         |
| b2139           | \$ 1,948,485.00  | \$ 162,373.75   | \$ -         |
| b1304.1-4       | \$ 3,153,241.00  | \$ 5,262,770.08 | \$ -         |
| b1398           | \$ 43,481,144.00 | \$ 3,623,428.67 | \$ -         |
| b1155           | \$ 6,046,114.00  | \$ 503,842.83   | \$ -         |
| b1399           | \$ 7,091,323.00  | \$ 580,943.58   | \$ -         |
| b2436.21_dfax   | \$ 3,442,796.00  | \$ 286,899.67   | \$ -         |
| b2436.21        | \$ 3,442,796.00  | \$ 286,899.67   | \$ 13,845.55 |
| b2436.22_dfax   | \$ 2,549,739.50  | \$ 212,478.29   | \$ 39,993.81 |
| b2436.22        | \$ 2,549,739.50  | \$ 212,478.29   | \$ -         |
| b2436.81_dfax   | \$ 2,863,598.50  | \$ 238,633.21   | \$ 13,845.55 |
| b2436.81        | \$ 2,863,598.50  | \$ 238,633.21   | \$ 29,619.47 |
| b2436.83_dfax   | \$ 2,863,598.50  | \$ 238,633.21   | \$ -         |
|                 |                  |                 | \$ 33,265.47 |

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|---------------|------------------|-----------------|---------------|
| b2436.83      | \$ 2,853,598.50  | \$ 238,633.21   | \$ 13,945.16  |
|               |                  |                 | \$ 33,265.47  |
| b2436.90_dfax | \$ 1,599,147.50  | \$ 133,262.29   | \$ -          |
| b2436.90      | \$ 1,599,147.50  | \$ 133,262.29   | \$ 13,945.16  |
|               |                  |                 | \$ 18,576.76  |
| b2437.10      | \$ -             | \$ -            | \$ -          |
| b2437.20      | \$ -             | \$ -            | \$ -          |
| b2437.21      | \$ -             | \$ -            | \$ -          |
| b2437.30      | \$ 3,520,915.00  | \$ 293,409.58   | \$ -          |
| b1590         | \$ 1,109,827.00  | \$ 92,485.58    | \$ -          |
| b1787         | \$ 3,214,567.00  | \$ 267,880.58   | \$ -          |
| b2436.10_dfax | \$ 8,158,423.50  | \$ 763,201.96   | \$ -          |
| b2436.10      | \$ 8,158,423.50  | \$ 763,201.96   | \$ 13,945.16  |
|               |                  |                 | \$ 106,390.35 |
| b2436.84_dfax | \$ 2,774,820.50  | \$ 231,235.04   | \$ -          |
| b2436.84      | \$ 2,774,820.50  | \$ 231,235.04   | \$ 13,945.16  |
|               |                  |                 | \$ 32,234.16  |
| b2436.85_dfax | \$ 2,774,820.50  | \$ 231,235.04   | \$ -          |
| b2436.85      | \$ 2,774,820.50  | \$ 231,235.04   | \$ 13,945.16  |
|               |                  |                 | \$ 32,234.16  |
| b0376         | \$ 55,913.50     | \$ 4,659.46     | \$ 13,945.16  |
|               |                  |                 | \$ 649.53     |
| b0376_dfax    | \$ 55,913.50     | \$ 4,659.46     | \$ -          |
| b1589         | \$ 2,331,349.00  | \$ 194,279.08   | \$ -          |
| b2146         | \$ 16,738,055.00 | \$ 1,394,037.92 | \$ -          |
| b2702_dfax    | \$ 1,188,519.50  | \$ 99,043.29    | \$ -          |
| b2702         | \$ 1,188,519.50  | \$ 99,043.29    | \$ 13,945.16  |
|               |                  |                 | \$ 13,805.63  |
| b2633.4       | \$ 2,954,683.50  | \$ 247,056.96   | \$ 13,945.16  |
|               |                  |                 | \$ 34,439.74  |
| b2633.4_dfax  | \$ 2,954,683.50  | \$ 247,056.96   | \$ -          |
| b2633.5       | \$ 8,318,433.00  | \$ 693,202.75   | \$ -          |
| b2955         | \$ 12,907,356.00 | \$ 1,075,813.83 | \$ -          |
| b2835.1       | \$ 9,184,989.00  | \$ 765,415.75   | \$ -          |
| b2835.2       | \$ 5,822,331.00  | \$ 485,194.25   | \$ -          |
| b2835.3       | \$ 904,134.00    | \$ 75,344.50    | \$ -          |
| b2836.2       | \$ 8,414,443.00  | \$ 701,203.58   | \$ -          |
| b2836.3       | \$ 5,480,350.00  | \$ 456,695.03   | \$ -          |

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|--------------|--------------------------|-------------------------|----------------------|
| b2836.4      | \$ 10,923,004.00         | \$ 877,400.33           | \$ -                 |
| b2837.1      | \$ 4,051,018.00          | \$ 338,484.83           | \$ -                 |
| b2837.2      | \$ 1,475,764.00          | \$ 122,930.33           | \$ -                 |
| b2837.3      | \$ 1,056,754.00          | \$ 88,896.17            | \$ -                 |
| b2837.4      | \$ 3,903,288.00          | \$ 325,274.00           | \$ -                 |
| b2837.5      | \$ 4,122,759.00          | \$ 343,563.25           | \$ -                 |
| b2837.6      | \$ 4,050,150.00          | \$ 337,512.50           | \$ -                 |
| b2837.7      | \$ 1,436,875.00          | \$ 119,739.58           | \$ -                 |
| b2837.8      | \$ 1,066,754.00          | \$ 88,896.17            | \$ -                 |
| b2837.9      | \$ 354,015.00            | \$ 28,501.25            | \$ -                 |
| b2837.10     | \$ 3,549,498.00          | \$ 295,781.50           | \$ -                 |
| b2837.11     | \$ 4,121,041.00          | \$ 343,420.08           | \$ -                 |
| b0274        | \$ 1,816,597.00          | \$ 151,383.08           | \$ -                 |
| b2436.33     | \$ 16,756,214.00         | \$ 1,396,351.17         | \$ -                 |
| b2436.34     | \$ 13,393,993.00         | \$ 1,116,166.33         | \$ -                 |
| b2436.60     | \$ 4,915,910.00          | \$ 376,326.50           | \$ -                 |
| b2986.12     | \$ 51,464.00             | \$ 4,288.67             | \$ -                 |
| b2986.21     | \$ 5,230,192.00          | \$ 519,182.67           | \$ -                 |
| b2986.22     | \$ 3,247,489.00          | \$ 270,624.08           | \$ -                 |
| b2036.1      | \$ 7,145,937.00          | \$ 595,499.75           | \$ -                 |
| <b>TOTAL</b> | <b>\$ 553,119,562.00</b> | <b>\$ 46,093,296.83</b> | <b>\$ 877,057.92</b> |

Required Transmission Enhancements owned by: PPL Electric Utilities Corp. dba PPL Utilities

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement (January - May 2022) | AEP           |
|----------------|----------------------------|--|---------------|
| b0487          | 23776712.52                | \$ 2,398,059.38                                  | 13.84%        |
|                |                            |  | \$ 334,289.48 |
| b0487_dfax     | 23776712.52                | \$ 2,398,059.38                                  | \$ -          |
| b0171.2        | \$ 3,221.09                | \$ 269.42  | 13.84%        |
|                |                            |  | \$ 37.42      |
| b0171.2_dfax   | \$ 3,221.09                | \$ 269.42  | \$ -          |
| b0172.1        | \$ 2,310.00                | \$ 192.50  | 13.84%        |
|                |                            |  | \$ 28.83      |
| b0172.1_dfax   | \$ 2,310.00                | \$ 192.50  | \$ -          |
| b0284.2        | \$ 4,671.00                | \$ 389.25  | 13.84%        |

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|--------------|------------------|-----------------|-----------|------------|
|              |                  |                 | \$        | 54.26      |
| b0284.2_dfax | \$ 4,671.00      | \$ 389.25       | \$        | -          |
| b0487.1      | 137,174.2        | \$ 114,311.83   | \$        | -          |
| b0791        | \$ 390,633.00    | \$ 25,057.75    | \$        | -          |
| b0468        | \$ 1,852,080.00  | \$ 154,340.83   | \$        | -          |
| b2006        | \$ 882,198.00    | \$ 71,849.83    | \$        | -          |
| b2006.1      | \$ 1,827,335.00  | \$ 152,277.92   | \$ 13.94% | -          |
| b2006.1_dfax | \$ 1,827,335.00  | \$ 152,277.92   | \$        | 21,227.54  |
| b2237        | \$ 684,557.50    | \$ 55,380.63    | \$ 13.94% | -          |
| b2237_dfax   | \$ 684,557.50    | \$ 55,380.63    | \$        | 7,720.06   |
| b2716        | \$ 615,088.50    | \$ 51,257.38    | \$ 13.94% | -          |
| b2716_dfax   | \$ 615,088.50    | \$ 51,257.38    | \$        | 7,145.28   |
| b2824        | \$ 752,099.50    | \$ 62,674.96    | \$ 13.94% | -          |
| b2824_dfax   | \$ 752,099.50    | \$ 62,674.96    | \$        | 8,736.89   |
| b2552.2      | \$ 61,147.00     | \$ 5,095.58     | \$        | -          |
| TOTAL        | \$ 69,739,880.21 | \$ 5,811,656.68 | \$        | 379,237.76 |

Required Transmission Enhancements owned by: AEP East Operating Companies and AEP Transmission Comp

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP           |
|----------------|----------------------------|--|---------------|
| b0504          | \$ 359,955.00              | \$ 29,996.25                                 | \$ 13.94%     |
| b0504_dfax     | 359,955                    | \$ 29,996.25                                 | \$ 4,181.48   |
| b0318          | \$ 1,245,432.00            | \$ 103,786.00                                | \$ 100.00%    |
| b0839          | \$ 808,155.00              | \$ 67,346.25                                 | \$ 99.73%     |
| b1231          | \$ 1,345,283.00            | \$ 112,106.92                                | \$ 67,164.42  |
| b0570          | \$ 1,502,804.00            | \$ 125,242.00                                | \$ 98.69%     |
| b1465.2        | \$ 873,867.00              | \$ 72,822.25                                 | \$ 108,396.18 |
| b1465.2_dfax   | 873,867                    | \$ 72,822.25                                 | \$ 41,99%     |
| b1465.4        | \$ 324,327.50              | \$ 27,027.29                                 | \$ 52,589.12  |
| b1465.4_dfax   | 324,327.5                  | \$ 27,027.29                                 | \$ 13.94%     |
| b1034.1        | \$ 1,693,619.00            | \$ 157,816.25                                | \$ 3,767.60   |
| b1034.6        | \$ 306,941.00              | \$ 25,578.42                                 | \$ 100.00%    |
|                |                            |  | \$ 27,027.29  |
|                |                            |  | \$ 96.01%     |
|                |                            |  | \$ 151,521.30 |
|                |                            |  | \$ 96.01%     |
|                |                            |  | \$ 24,557.84  |

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|---------------|------------------|-----------------|-----------------|
| b1465.3       | \$ 1,182,386.50  | \$ 98,532.21    | 13.04%          |
|               |                  |                 | \$ 13,735.39    |
| b1465.3_dfax  | 1182386.5        | \$ 98,532.21    | 100.00%         |
|               |                  |                 | \$ 98,532.21    |
| b1712.2       | \$ 246,182.00    | \$ 20,513.50    |                 |
|               |                  |                 | \$ -            |
| b1864.2       | \$ 254,228.00    | \$ 21,185.67    | 87.22%          |
|               |                  |                 | \$ 18,478.14    |
| b2048         | \$ 740,437.00    | \$ 61,703.08    | 92.49%          |
|               |                  |                 | \$ 57,069.18    |
| b1034.8       | \$ 546,875.00    | \$ 45,572.92    | 96.01%          |
|               |                  |                 | \$ 43,754.56    |
| b1870         | \$ 869,514.00    | \$ 72,459.50    | 68.16%          |
|               |                  |                 | \$ 49,388.40    |
| b1032.2       | \$ 4,859,197.00  | \$ 404,933.08   | 89.97%          |
|               |                  |                 | \$ 364,318.30   |
| b1034.2       | \$ 1,352,651.00  | \$ 113,555.08   | 96.01%          |
|               |                  |                 | \$ 109,024.24   |
| b1034.3       | \$ 1,769,415.00  | \$ 147,451.25   | 96.01%          |
|               |                  |                 | \$ 141,567.95   |
| b2020         | \$ 21,701,484.00 | \$ 1,808,457.00 | 88.39%          |
|               |                  |                 | \$ 1,598,495.14 |
| b2021         | \$ 5,872,963.00  | \$ 489,413.58   | 91.92%          |
|               |                  |                 | \$ 449,868.97   |
| b1659.14      | \$ 5,057,884.50  | \$ 488,157.04   | 13.94%          |
|               |                  |                 | \$ 68,049.09    |
| b1659.14_dfax | 5957884.5        | \$ 488,157.04   | 69.56%          |
|               |                  |                 | \$ 339,562.04   |
| b2032         | \$ 509,395.00    | \$ 42,449.58    |                 |
|               |                  |                 | \$ -            |
| b1034.7       | \$ 653,287.00    | \$ 54,440.58    | 96.01%          |
|               |                  |                 | \$ 52,268.40    |
| b2018         | \$ 2,830,157.00  | \$ 235,846.42   | 14.16%          |
|               |                  |                 | \$ 33,395.85    |
| b1864.1       | \$ 10,625,816.00 | \$ 885,484.67   | 87.22%          |
|               |                  |                 | \$ 772,319.73   |
| b1661         | \$ 126,582.50    | \$ 10,548.54    | 13.94%          |
|               |                  |                 | \$ 1,470.47     |
| b1661_dfax    | 126582.5         | \$ 10,548.54    | 100.00%         |
|               |                  |                 | \$ 10,548.54    |
| b2017         | \$ 9,732,850.00  | \$ 811,070.83   | 34.35%          |
|               |                  |                 | \$ 278,602.83   |
| b1818         | \$ 8,687,948.00  | \$ 723,995.67   | 88.30%          |
|               |                  |                 | \$ 639,288.17   |
| b1819         | \$ 12,376,875.00 | \$ 1,031,406.25 | 87.18%          |
|               |                  |                 | \$ 899,179.97   |
| b1032.4       | \$ 1,014,177.00  | \$ 84,514.75    | 89.97%          |
|               |                  |                 | \$ 76,037.92    |
| b1666         | \$ 2,834,280.00  | \$ 244,523.33   | 90.65%          |
|               |                  |                 | \$ 221,660.40   |
| b1957         | \$ 1,332,031.00  | \$ 111,002.58   | 69.41%          |
|               |                  |                 | \$ 77,046.89    |
| b1962         | \$ 1,340,519.00  | \$ 111,709.92   | 13.04%          |
|               |                  |                 | \$ 15,572.36    |
| b1962_dfax    | 1340519          | \$ 111,709.92   | 100.00%         |
|               |                  |                 | \$ 111,709.92   |
| b2019         | \$ 7,855,764.00  | \$ 654,647.00   | 93.74%          |
|               |                  |                 | \$ 613,666.10   |
| b1032.1       | \$ 3,698,998.00  | \$ 333,249.92   | 89.97%          |
|               |                  |                 | \$ 299,824.95   |

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|---------------|-------------------|------------------|---------------|
| b1948         | \$ 6,849,930.00   | \$ 554,160.83    |               |
|               |                   |                  | \$ -          |
| b2022         | \$ 515,664.00     | \$ 42,972.00     | 97.99%        |
|               |                   |                  | \$ 42,108.26  |
| b1660         | \$ 198,269.00     | \$ 16,522.42     | 13.94%        |
|               |                   |                  | \$ 2,303.22   |
| b1660_dfax    | 198269            | \$ 16,522.42     |               |
|               |                   |                  | \$ -          |
| b1660 1       | \$ 1,716,288.50   | \$ 143,024.04    | 13.94%        |
|               |                   |                  | \$ 19,937.55  |
| b1660 1_dfax  | \$ 1,716,238.50   | \$ 143,024.04    |               |
|               |                   |                  | \$ -          |
| b1663.2       | \$ 301,055.50     | \$ 25,087.96     | 13.94%        |
|               |                   |                  | \$ 3,497.26   |
| b1663.2_dfax  | 301055.5          | \$ 25,087.96     | 100.00%       |
|               |                   |                  | \$ 25,087.96  |
| b1875         | \$ 19,193,139.00  | \$ 1,599,428.25  |               |
|               |                   |                  | \$ -          |
| b1797 1       | \$ 2,634,281.00   | \$ 219,523.42    | 13.94%        |
|               |                   |                  | \$ 30,601.56  |
| b1797 1_dfax  | \$ 2,634,281.00   | \$ 219,523.42    | 1.27%         |
|               |                   |                  | \$ 2,787.95   |
| b1659         | \$ 6,360,292.00   | \$ 530,024.33    | 93.61%        |
|               |                   |                  | \$ 496,155.78 |
| b1659 13      | \$ 3,075,463.00   | \$ 256,288.50    | 13.94%        |
|               |                   |                  | \$ 35,726.63  |
| b1659 13_dfax | 3075463           | \$ 256,288.58    | 79.31%        |
|               |                   |                  | \$ 203,262.48 |
| b1495         | \$ 4,871,531.00   | \$ 405,960.92    | 87.22%        |
|               |                   |                  | \$ 354,079.11 |
| b1712 1       | \$ 28,090.00      | \$ 2,340.83      |               |
|               |                   |                  | \$ -          |
| b1465 1       | \$ 4,044,826.00   | \$ 337,068.83    | 75.06%        |
|               |                   |                  | \$ 253,003.87 |
| b2230         | \$ 795,130.00     | \$ 66,260.83     | 13.94%        |
|               |                   |                  | \$ 9,236.76   |
| b2230_dfax    | \$ 795,130.00     | \$ 66,260.83     | 1             |
|               |                   |                  | \$ 66,260.83  |
| b2423         | \$ 1,250,027.00   | \$ 104,168.92    | 13.94%        |
|               |                   |                  | \$ 14,521.15  |
| b2423_dfax    | \$ 1,250,027.00   | \$ 104,168.92    | 1             |
|               |                   |                  | \$ 104,168.92 |
| b2687 1 dfax  | \$ 6,058,724.50   | \$ 504,893.71    | 1             |
|               |                   |                  | \$ 504,893.71 |
| b2687 1       | \$ 6,058,724.50   | \$ 504,893.71    | 13.94%        |
|               |                   |                  | \$ 70,382.18  |
| b2687 2_dfax  | \$ 562,592.50     | \$ 46,882.71     | 1             |
|               |                   |                  | \$ 46,882.71  |
| b2687 2       | \$ 562,592.50     | \$ 46,882.71     | 13.94%        |
|               |                   |                  | \$ 6,535.45   |
| b1465 5       | \$ 545,928.00     | \$ 45,494.00     | 13.94%        |
|               |                   |                  | \$ 6,341.86   |
| b1465 5_dfax  | \$ 545,928.00     | \$ 45,494.00     | 100.00%       |
|               |                   |                  | \$ 45,494.00  |
| b2831 1       | \$ 163,851.00     | \$ 13,654.25     |               |
|               |                   |                  | \$ -          |
| b2833         | \$ 3,423,816.00   | \$ 285,318.00    | 79.96%        |
|               |                   |                  | \$ 228,140.27 |
| TOTAL         | \$ 207,534,750.00 | \$ 17,294,562.50 | 10680768.85   |

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Required Transmission Enhancements owned by: Atlantic Electric's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP                    |
|----------------|----------------------------|---|------------------------|
| b0265          | \$ 439,984                 | \$ 36,665.33  | \$ -                   |
| b0276          | \$ 671,730                 | \$ 55,977.50  | \$ -                   |
| b0211          | \$ 1,144,095               | \$ 95,341.25  | \$ -                   |
| b0210.A        | \$ 1,147,391.49            | \$ 95,615.96  | 13.94%<br>\$ 13,328.86 |
| b0210.A_dfax   | \$ 1,147,391.49            | \$ 95,615.96  | \$ -                   |
| b0210 B        | \$ 1,636,265               | \$ 136,355.42   | \$ -                   |
| b1398 5        | \$ 412,331                 | \$ 34,360.92  | \$ -                   |
| b1398 3.1      | \$ 1,286,821               | \$ 107,235.08   | \$ -                   |
| b1500          | \$ 1,528,838               | \$ 127,403.17   | \$ -                   |
| b0210 1        | \$ 1,354,131               | \$ 112,844.25   | \$ -                   |
| b0212          | \$ 5,925                   | \$ 493.75   | \$ -                   |
| <b>TOTAL</b>   | <b>\$ 10,774,902.97</b>    | <b>\$ 897,908.58</b>                                  | <b>\$ 13,328.86</b>    |

Required Transmission Enhancements owned by: Delmarva's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP                   |
|----------------|----------------------------|---|-----------------------|
| b0241 3        | \$ 1,370,896               | \$ 114,241.33   | \$ -                  |
| b0272 1        | \$ 10,445.26               | \$ 870.44   | 13.94%<br>\$ 121.34   |
| b0272.1_dfax   | \$ 10,445.26               | \$ 870.44   | \$ -                  |
| b0751          | \$ 242,583.65              | \$ 20,215.30  | 13.94%<br>\$ 2,818.01 |
| b0751_dfax     | \$ 242,583.65              | \$ 20,215.30  | \$ -                  |
| b0733          | \$ 1,037,499               | \$ 86,458.25  | \$ -                  |
| b1247          | \$ 701,156                 | \$ 58,429.67  | \$ -                  |
| b2633 10       | \$ 643,630                 | \$ 53,635.83  | \$ -                  |
| <b>TOTAL</b>   | <b>\$ 4,259,238.82</b>     | <b>\$ 354,938.57</b>                                  | <b>\$ 2,939.35</b>    |

Required Transmission Enhancements owned by: PEPCO's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP |
|----------------|----------------------------|---|-----|
| b0367 1-2      | \$ 2,263,215               | \$ 188,601.25   |     |

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|               |                         |                        |        |                    |
|---------------|-------------------------|------------------------|--------|--------------------|
|               |                         |                        | \$     | -                  |
| b0512.7       | \$ 107,160.08           | \$ 8,930.01            | 13.94% |                    |
|               |                         |                        | \$     | 1,244.84           |
| b0512.7_dfax  | \$ 107,160.08           | \$ 8,930.01            |        |                    |
|               |                         |                        | \$     | -                  |
| b0512.8       | \$ 107,160.08           | \$ 8,930.01            | 13.94% |                    |
|               |                         |                        | \$     | 1,244.84           |
| b0512.8_dfax  | \$ 107,160.08           | \$ 8,930.01            |        |                    |
|               |                         |                        | \$     | -                  |
| b0512.9       | \$ 107,160.08           | \$ 8,930.01            | 13.94% |                    |
|               |                         |                        | \$     | 1,244.84           |
| b0512.9_dfax  | \$ 107,160.08           | \$ 8,930.01            |        |                    |
|               |                         |                        | \$     | -                  |
| b0512.12      | \$ 108,222.09           | \$ 9,018.51            | 13.94% |                    |
|               |                         |                        | \$     | 1,257.18           |
| b0512.12_dfax | \$ 108,222.09           | \$ 9,018.51            |        |                    |
|               |                         |                        | \$     | -                  |
| b0478         | \$ 1,841,838            | \$ 153,486.50          |        |                    |
|               |                         |                        | \$     | -                  |
| b0499         | \$ 3,427,692            | \$ 285,641.00          |        |                    |
|               |                         |                        | \$     | -                  |
| b0528         | \$ 6,433,097            | \$ 536,091.42          |        |                    |
|               |                         |                        | \$     | -                  |
| b0701.1       | \$ 573,998              | \$ 47,833.17           |        |                    |
|               |                         |                        | \$     | -                  |
| b0495         | \$ 2,272,610            | \$ 189,384.17          |        |                    |
|               |                         |                        | \$     | -                  |
| b0288         | \$ 3,552,943            | \$ 296,078.58          |        |                    |
|               |                         |                        | \$     | -                  |
| b1125         | \$ 6,075,822            | \$ 506,318.50          |        |                    |
|               |                         |                        | \$     | -                  |
| b2008         | \$ 1,021,454            | \$ 85,121.17           |        |                    |
|               |                         |                        | \$     | -                  |
| b0467.1       | \$ 959,652              | \$ 79,971.83           |        |                    |
|               |                         |                        | \$     | -                  |
| b1126         | \$ 4,531,289            | \$ 377,608.25          |        |                    |
|               |                         |                        | \$     | -                  |
| b1596         | \$ 1,098,233            | \$ 91,519.42           |        |                    |
|               |                         |                        | \$     | -                  |
| <b>TOTAL</b>  | <b>\$ 34,911,267.67</b> | <b>\$ 2,909,272.31</b> |        | <b>\$ 4,991.71</b> |

Required Transmission Enhancements owned by: Duquesne Light Company's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP  |
|----------------|----------------------------|---|------|
| b0501-b0503    | 24494846                   | \$ 2,041,237.17                                       |      |
|                |                            |   | \$ - |
| b1022.2        | \$ 450,863.00              | \$ 37,571.92  |      |
|                |                            |   | \$ - |
| <b>TOTAL</b>   | <b>\$ 24,945,709.00</b>    | <b>\$ 2,078,809.08</b>                                |      |

Required Transmission Enhancements owned by: Commonwealth Edison Company's Network Customers

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP          |
|----------------|----------------------------|---|--------------|
| b2141          | \$ 28,181,767.00           | \$ 2,348,480.58                                       | 4.13%        |
|                |                            |   | \$ 96,992.25 |

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|-----------------|----|---------------|----|--------------|---------------|
| b2728           | \$ | 1,325,365.00  | \$ | 110,447.08   | 3.34%         |
|                 |    |               |    |              | \$ 3,688.93   |
| b2692 1-b2692.2 | \$ | 1,353,276.00  | \$ | 112,773.00   | 18.68%        |
|                 |    |               |    |              | \$ 21,066.00  |
| TOTAL           | \$ | 30,860,408.00 | \$ | 2,571,700.67 | \$ 121,747.18 |

Required Transmission Enhancements owned by: Jersey Central Power & Light (Transmission)

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP  |
|----------------|----------------------------|--|------|
| b0174          | \$ 1,186,742.00            | \$ 98,895.17                                 | \$ - |
| b0268          | \$ 585,209.00              | \$ 48,787.42                                 | \$ - |
| b0726          | \$ 768,670.00              | \$ 64,056.58                                 | \$ - |
| b2015          | \$ 18,211,505.00           | \$ 1,517,625.42                              | \$ - |
| TOTAL          | \$ 20,752,135.00           | \$ 1,729,344.58                              | \$ - |

Required Transmission Enhancements owned by: Mid-Atlantic Interstate Transmission, LLC

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP         |
|----------------|----------------------------|--|-------------|
| b0215          | \$ 2,160,515.00            | \$ 180,042.92                                | \$ -        |
| b0549          | \$ 238,824.92              | \$ 24,068.74                                 | 13.84%      |
|                |                            |  | \$ 3,355.18 |
| b0549_dfax     | \$ 238,824.92              | \$ 24,068.74                                 | \$ -        |
| b0551          | \$ 235,018.93              | \$ 19,584.91                                 | \$ -        |
| b0552          | \$ 180,353.83              | \$ 15,862.83                                 | \$ -        |
| b0553          | \$ 167,083.11              | \$ 13,924.43                                 | \$ -        |
| b0557          | \$ 391,795.86              | \$ 32,649.66                                 | \$ -        |
| b1993          | \$ 1,895,436.33            | \$ 166,286.36                                | \$ -        |
| b1994          | \$ 6,829,618.73            | \$ 569,134.73                                | \$ -        |
| b2006.1 1      | \$ 355,657.39              | \$ 29,638.12                                 | 13.84%      |
|                |                            |  | \$ 4,131.55 |
| b2006.1 1_dfax | \$ 395,047.84              | \$ 32,920.65                                 | \$ -        |
| b2452          | \$ 1,161,015.79            | \$ 96,751.32                                 | \$ -        |
| b2452.1        | \$ 543,453.35              | \$ 45,287.78                                 | \$ -        |
| b2743.2        | \$ 495,642.78              | \$ 41,303.57                                 | 6.46%       |
|                |                            |  | \$ 2,668.21 |
| b2743.3        | \$ (214.65)                | \$ (17.89)                                   | 6.46%       |
|                |                            |  | \$ (1.16)   |
| b2743.4        | \$ 1,140.33                | \$ 95.03                                     | 6.46%       |
|                |                            |  | \$ 6.14     |
| b0132.3        | \$ 6,183.52                | \$ 515.29                                    |             |

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|--------------|-------------------------|------------------------|---------------------|
| b1364        | \$ 4,179.11             | \$ 348.26              | \$ -                |
| b1362        | \$ 1,338.31             | \$ 111.53              | \$ -                |
| b1816.4      | \$ (7,467.30)           | \$ (622.28)            | \$ -                |
| b2688.1      | \$ 527,927.79           | \$ 43,993.98           | \$ 12,915.55        |
| b0284.3      | \$ -                    | \$ -                   | \$ 5,679.62         |
| b0284.3_dfax | \$ -                    | \$ -                   | \$ -                |
| b0369        | \$ -                    | \$ -                   | \$ 13,947.55        |
| b0369_dfax   | \$ -                    | \$ -                   | \$ -                |
| b2552.1      | \$ 26,558,347.68        | \$ 2,213,195.64        | \$ -                |
| b3311        | \$ 17,277.58            | \$ 1,439.60            | \$ -                |
| <b>TOTAL</b> | <b>\$ 42,607,009.31</b> | <b>\$ 3,550,584.11</b> | <b>\$ 15,839.55</b> |

Required Transmission Enhancements owned by: PECO Energy Company

| PJM Upgrade ID  | Annual Revenue Requirement | Monthly Revenue Requirement<br>(June 2021 - May 2022) | AEP          |
|-----------------|----------------------------|---|--------------|
| b0269           | \$ 1,557,845.00            | \$ 129,820.42   | \$ 13,947.55 |
| b0269_dfax      | \$ 1,557,845.00            | \$ 129,820.42   | \$ 18,096.97 |
| b0269.10        | \$ 3,735,063.00            | \$ 311,255.25   | \$ -         |
| b1591           | \$ 1,170,173.00            | \$ 97,514.42  | \$ -         |
| b0269.6         | \$ 212,343.00              | \$ 17,695.25  | \$ 13,947.55 |
| b0269.6_dfax    | \$ 212,343.00              | \$ 17,695.25  | \$ 2,466.72  |
| b0171.1         | \$ 287,592.00              | \$ 23,966.00  | \$ 13,947.55 |
| b0171.1_dfax    | \$ 287,592.00              | \$ 23,966.00  | \$ 3,340.86  |
| b1590.1-b1590.2 | \$ 1,518,548.00            | \$ 126,545.67   | \$ -         |
| b1900           | \$ 2,885,013.00            | \$ 240,417.75   | \$ -         |
| b0727           | \$ 2,626,608.00            | \$ 218,884.00   | \$ -         |
| b2140           | \$ 2,413,819.00            | \$ 201,151.58   | \$ -         |
| b1182           | \$ 2,446,352.00            | \$ 203,862.67   | \$ -         |
| b1717           | \$ 1,606,941.00            | \$ 133,911.75   | \$ -         |
| b1178           | \$ 1,123,986.00            | \$ 93,665.50  | \$ -         |
| b0790           | \$ 239,034.00              | \$ 19,919.50  | \$ -         |

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|--------------|------------------|-----------------|--------------|
| b0506        | \$ 297,694.00    | \$ 24,807.83    | \$ -         |
| b0505        | \$ 330,888.00    | \$ 27,574.00    | \$ -         |
| b0789        | \$ 327,149.00    | \$ 27,262.42    | \$ -         |
| b0206        | \$ 442,029.00    | \$ 36,835.75    | \$ -         |
| b0207        | \$ 595,898.00    | \$ 49,658.17    | \$ -         |
| b0209        | \$ 337,717.00    | \$ 28,143.08    | \$ -         |
| b0264        | \$ 281,456.00    | \$ 23,454.67    | \$ -         |
| b0357        | \$ 291,273.00    | \$ 24,272.75    | \$ -         |
| b1398.8      | \$ 149,032.00    | \$ 12,419.33    | \$ -         |
| b0287        | \$ 242,545.50    | \$ 20,212.13    | 13.84%       |
| b0287_dfax   | \$ 242,545.50    | \$ 20,212.13    | \$ 2,817.57  |
| b0208        | \$ 361,835.00    | \$ 30,152.92    | \$ -         |
| b2694        | \$ 1,500,074.00  | \$ 125,006.17   | 5.77%        |
| b2766.2      | \$ 82,226.50     | \$ 6,852.21     | 13.84%       |
| b2766_2_dfax | \$ 82,226.50     | \$ 6,852.21     | \$ 955.20    |
| TOTAL        | \$ 29,445,686.00 | \$ 2,453,807.17 | \$ 34,890.17 |

Required Transmission Enhancements owned by: American Transmission Systems, Inc.

| PJM Upgrade ID | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP         |
|----------------|----------------------------|--|-------------|
| b1587          | \$ 2,285,319.16            | \$ 191,276.60                                | \$ -        |
| b1920          | \$ 3,946,057.00            | \$ 328,838.08                                | \$ -        |
| b1977          | \$ 8,788,713.46            | \$ 732,392.79                                | \$ -        |
| b1959          | \$ 13,223,581.97           | \$ 1,101,963.50                              | \$ -        |
| b2972          | \$ 608,743.41              | \$ 67,395.28                                 | 5.38%       |
| b2124.4        | \$ (94,105.79)             | \$ (7,842.15)                                | \$ 3,625.87 |
| b2124.1        | \$ 126,287.25              | \$ 10,523.94                                 | \$ -        |
| b2124.2        | \$ 250,174.01              | \$ 20,847.83                                 | \$ -        |
| TOTAL          | \$ 29,344,750.49           | \$ 2,445,395.87                              | \$ 3,625.87 |

Required Transmission Enhancements owned by: Transource West Virginia, LLC

| PJM Upgrade | Annual Revenue | Monthly Revenue |
|-------------|----------------|-----------------|
|-------------|----------------|-----------------|

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| ID           | Requirement             | Requirement<br>(Jan - Dec 2022) | AEP                  |
|--------------|-------------------------|---------------------------------|----------------------|
| b2609.4      | \$ 10,472,950.00        | \$ 872,746.67                   | 100.00%              |
|              |                         | \$                              | 872,746.67           |
| <b>TOTAL</b> | <b>\$ 10,472,950.00</b> | <b>\$ 872,746.67</b>            | <b>\$ 872,746.67</b> |

Required Transmission Enhancements owned by: Transource Maryland, LLC

| PJM<br>Upgrade<br>ID | Annual<br>Revenue<br>Requirement | Monthly<br>Revenue<br>Requirement<br>(Jan - Dec 2022) | AEP                |
|----------------------|----------------------------------|---|--------------------|
| b2743.5              | \$ 1,587,503.00                  | \$ 132,291.92   | 6.46%              |
| b2752.5              |                                  |   | \$ 8,546.06        |
| <b>TOTAL</b>         | <b>\$ 1,587,503.00</b>           | <b>\$ 132,291.92</b>                                  | <b>\$ 8,546.06</b> |

Required Transmission Enhancements owned by: Transource Pennsylvania, LLC

| PJM<br>Upgrade<br>ID | Annual<br>Revenue<br>Requirement | Monthly<br>Revenue<br>Requirement<br>(Jan - Dec 2022) | AEP                 |
|----------------------|----------------------------------|---|---------------------|
| b2743.5              | \$ 7,129,435.00                  | \$ 594,119.58   | 6.46%               |
| b2743.1              |                                  |   | \$ 38,380.13        |
| b2752.5              |                                  |   |                     |
| b2752.1              |                                  |   |                     |
| <b>TOTAL</b>         | <b>\$ 7,129,435.00</b>           | <b>\$ 594,119.58</b>                                  | <b>\$ 38,380.13</b> |

Required Transmission Enhancements owned by: Silver Run Electric, Inc.

| PJM<br>Upgrade<br>ID | Annual<br>Revenue<br>Requirement | Monthly<br>Revenue<br>Requirement<br>(Jan - Dec 2022) | AEP       |
|----------------------|----------------------------------|---|-----------|
| b2633.1-b2633.2      | \$ 25,098,547.00                 | \$ 2,091,545.58                                       |           |
|                      |                                  | \$  |           |
| <b>TOTAL</b>         | <b>\$ 25,098,547.00</b>          | <b>\$ 2,091,545.58</b>                                | <b>\$</b> |

Required Transmission Enhancements owned by: Northern Indiana Public Service Company (NIPSCO) in Midco

| PJM<br>Upgrade<br>ID | Annual<br>Revenue<br>Requirement | Monthly<br>Revenue<br>Requirement<br>(Jan - Dec 2022) | AEP                 |
|----------------------|----------------------------------|---|---------------------|
| b2971                | 1235762                          | \$ 102,620.17   | 16.65%              |
|                      |                                  | \$  | 17,146.20           |
| b2973                | 720345                           | \$ 60,003.75  | 26.02%              |
|                      |                                  | \$  | 15,612.98           |
| b2974                | 753                              | \$ 62.75  | 40.28%              |
|                      |                                  | \$  | 25.28               |
| b2975                | 658931                           | \$ 71,577.58  | 4.51%               |
|                      |                                  | \$  | 3,228.15            |
| <b>TOTAL</b>         | <b>\$ 2,815,491.00</b>           | <b>\$ 234,624.25</b>                                  | <b>\$ 36,012.60</b> |

Required Transmission Enhancements owned by: The Dayton Power & Light Company

| PJM<br>Upgrade<br>ID | Annual<br>Revenue<br>Requirement | Monthly<br>Revenue<br>Requirement | AEP |
|----------------------|----------------------------------|-----------------------------------|-----|
|                      |                                  |                                   |     |

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|              |                        | (Jan - Dec 2022)     |             |
|--------------|------------------------|----------------------|-------------|
| b1570        | \$ 4,541,508.00        | \$ 378,459.00        | \$ -        |
| <b>TOTAL</b> | <b>\$ 4,541,508.00</b> | <b>\$ 378,459.00</b> | <b>\$ -</b> |

Required Transmission Enhancements owned by: South FirstEnergy Operating Companies

| PJM Upgrade ID   | Annual Revenue Requirement | Monthly Revenue Requirement (Jan - Dec 2022) | AEP                 |
|------------------|----------------------------|--|---------------------|
| b0577            | 19580.355                  | \$ 1,631.70                                  | 13.94%              |
|                  |                            |  | \$ 227.48           |
| b0577_dfax       | 19580.355                  | \$ 1,631.70                                  | \$ -                |
| b2609.5          | 319288.7                   | \$ 26,607.39                                 | 100.00%             |
|                  |                            |  | \$ 26,607.39        |
| b0238            | 533171.5                   | \$ 44,430.96                                 | \$ -                |
| b0373            | 346405.07                  | \$ 28,867.16                                 | \$ -                |
| b1507.2          | 9374.95                    | \$ 781.25                                    | 13.94%              |
|                  |                            |  | \$ 108.91           |
| b1507.2_dfax     | 9374.95                    | \$ 781.25                                    | \$ -                |
| b1507.3          | 1150721.86                 | \$ 99,226.82                                 | 13.94%              |
|                  |                            |  | \$ 13,832.22        |
| b1507.3_dfax     | 1150721.86                 | \$ 99,226.82                                 | \$ -                |
| b2688.3          | 79374.43                   | \$ 6,614.54                                  | 12.91%              |
|                  |                            |  | \$ 853.94           |
| b0347.17-32      | 95680.455                  | \$ 7,973.37                                  | 13.94%              |
|                  |                            |  | \$ 1,111.49         |
| b0347.17-32_dfax | 95680.455                  | \$ 7,973.37                                  | \$ -                |
| b1835            | 1903.4                     | \$ 159.03                                    | \$ -                |
| b1022.11         | 56977.47                   | \$ 4,748.12                                  | \$ -                |
| b1022.5          | 70020.29                   | \$ 5,835.69                                  | \$ -                |
| b3006            | 13972510.59                | \$ 1,164,376.55                              | \$ -                |
| b3011.2          | 69632.72                   | \$ 7,869.39                                  | \$ -                |
| b3011.5          | 128032.93                  | \$ 10,694.41                                 | \$ -                |
| b2743.6-7        | 485754.46                  | \$ 40,479.54                                 | 6.46%               |
|                  |                            |  | \$ 2,614.98         |
| b2743.8          | 55935.63                   | \$ 4,652.97                                  | 6.46%               |
|                  |                            |  | \$ 300.58           |
| b2985            | 1413347.46                 | \$ 117,778.98                                | \$ -                |
| <b>TOTAL</b>     | <b>\$ 20,189,291.71</b>    | <b>\$ 1,682,440.98</b>                       | <b>\$ 45,656.96</b> |

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|                                |   | Monthly AEP<br>Responsibility |
|--------------------------------|---|-------------------------------|
|                                |   | \$ 15,967,697.01              |
| AEP LSE Share                  |   |                               |
| APCO's Average 12CP Percentage |   |                               |
| Annual                         | APCO's Share of RTEP Expenses (APCo RTEP) |                               |
| Monthly                        | APCO RTEP                                 |                               |

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|    |              |
|----|--------------|
| \$ | -            |
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| \$ | 157,856.77   |
| \$ | -            |
| \$ | -            |
|    |              |
| \$ | 1,979.69     |
|    |              |
| \$ | 66,521.07    |
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| \$ | 15,293.72    |
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| \$ | 12,526.07    |
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| \$ | 1,912,848.31 |
| \$ | -            |
| \$ | -            |
|    |              |
| \$ | 115,819.74   |
| \$ | -            |
| \$ | -            |
|    |              |
| \$ | 26,422.26    |
| \$ | -            |
| \$ | -            |

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| \$ | -            |
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| \$ | -            |
| \$ | 165,027.25   |
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| \$ | 5,892.71     |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 1,389,711.47 |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 2,743,341.94 |
| \$ | -            |
| \$ | -            |
| \$ | 866.93       |
| \$ | -            |
| \$ | -            |
| \$ | 601.29       |
| \$ | -            |
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| \$ | 132.63       |
| \$ | -            |
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| \$ | 132.63       |
| \$ | -            |
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|    |              |
|----|--------------|
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 407,794.36   |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 68,600.40    |
| \$ | 2,186,781.27 |
| \$ | -            |
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| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 388,196.90   |
| \$ | -            |
| \$ | -            |
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| \$ | -            |
| \$ | -            |
| \$ | 280,631.91   |
| \$ | -            |
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| \$ | -            |
| \$ | -            |
| \$ | 750,950.69   |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 782,026.07   |
| \$ | -            |
| \$ | -            |
| \$ | 550,116.69   |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |

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|    |              |
|----|--------------|
| \$ | 263,720.20   |
| \$ | -            |
| \$ | -            |
| \$ | 158,931.95   |
| \$ | -            |
| \$ | -            |
| \$ | 141,535.81   |
| \$ | -            |
| \$ | -            |
| \$ | 704,526.06   |
| \$ | -            |
| \$ | -            |
| \$ | 2,226,688.04 |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 239,240.75   |
| \$ | -            |
| \$ | -            |
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| \$ | -            |
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| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 160,279.96   |
| \$ | -            |
| \$ | -            |
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| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 5,228,004.63 |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 161.70       |

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|    |              |
|----|--------------|
| \$ | 651.14       |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 254,730.50   |
| \$ | -            |
| \$ | -            |
| \$ | 92,640.71    |
| \$ | -            |
| \$ | -            |
| \$ | 85,743.34    |
| \$ | -            |
| \$ | -            |
| \$ | 104,842.67   |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | -            |
| \$ | 50,177.73    |
| \$ | 359,955.00   |
| \$ | 1,232,977.68 |
| \$ | 805,972.98   |
| \$ | 1,300,754.13 |
| \$ | 631,069.39   |
| \$ | 121,817.06   |
| \$ | 873,867.00   |
| \$ | 45,211.25    |
| \$ | 324,327.50   |
| \$ | 1,818,255.62 |
| \$ | 294,694.05   |

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|    |               |
|----|---------------|
| \$ | 164,824.68    |
| \$ | 1,182,386.50  |
| \$ | -             |
| \$ | -             |
| \$ | 221,737.66    |
| \$ | 684,830.18    |
| \$ | 525,054.69    |
| \$ | 592,660.74    |
| \$ | 4,371,819.54  |
| \$ | 1,308,290.83  |
| \$ | 1,698,815.34  |
| \$ | 19,181,941.71 |
| \$ | 5,398,427.59  |
| \$ | 816,589.10    |
| \$ | 4,074,744.46  |
| \$ | -             |
| \$ | -             |
| \$ | 627,220.85    |
| \$ | 400,750.23    |
| \$ | 9,267,836.72  |
| \$ | 17,645.60     |
| \$ | 126,582.50    |
| \$ | 3,343,233.98  |
| \$ | 7,671,458.08  |
| \$ | 10,790,159.63 |
| \$ | 912,455.05    |
| \$ | 2,659,924.82  |
| \$ | 924,562.72    |
| \$ | 186,868.35    |
| \$ | 1,340,519.00  |
| \$ | 7,363,993.17  |
| \$ | 3,597,899.40  |

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|    |              |
|----|--------------|
| \$ | -            |
| \$ | -            |
| \$ | 505,299.15   |
| \$ | 27,638.70    |
| \$ | -            |
| \$ | -            |
| \$ | 239,250.62   |
| \$ | -            |
| \$ | -            |
| \$ | 41,967.14    |
| \$ | 301,055.50   |
| \$ | -            |
| \$ | -            |
| \$ | 367,218.77   |
| \$ | 33,455.37    |
| \$ | 5,953,869.34 |
| \$ | 428,719.54   |
| \$ | 2,439,149.71 |
| \$ | 4,248,949.34 |
| \$ | -            |
| \$ | -            |
| \$ | 3,036,046.40 |
| \$ | 110,841.12   |
| \$ | 795,130.00   |
| \$ | 174,253.76   |
| \$ | 1,250,027.00 |
| \$ | 6,058,724.50 |
| \$ | 844,586.20   |
| \$ | 562,592.50   |
| \$ | 78,425.39    |
| \$ | 76,102.36    |
| \$ | 545,928.00   |
| \$ | -            |
| \$ | -            |
| \$ | 2,737,683.27 |
| \$ | -            |
| \$ | -            |

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|    |            |
|----|------------|
|    |            |
| \$ | 44,267.19  |
| \$ | 252,791.96 |
|    |            |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
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|    |            |
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|    |            |
| \$ | 40,262.19  |
| \$ | -          |
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|    |            |
| \$ | 49,578.64  |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
|    |            |
| \$ | 32,018.52  |
| \$ | (13.87)    |
|    |            |
| \$ | 73.67      |
| \$ | -          |

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|    |               |
|----|---------------|
|    |               |
| \$ | -             |
|    |               |
| \$ | 10,472,960.00 |
|    |               |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
|    |               |
| \$ | -             |
| \$ | 102,552.69    |
|    |               |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
|    |               |
| \$ | -             |
|    |               |
| \$ | 460,561.50    |
| \$ | -             |
| \$ | -             |
| \$ | -             |
|    |               |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
|    |               |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
|    |               |
| \$ | -             |
|    |               |
| \$ | 205,754.37    |
|    |               |
| \$ | 187,355.71    |
|    |               |
| \$ | 303.31        |
|    |               |
| \$ | 38,737.79     |
|    |               |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
| \$ | -             |
|    |               |

22060000

APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
PUR-2022-00014  
Regional Transmission Enhancement Project Charges

APCO Exhibit No. \_\_\_\_\_  
Witness MMH  
Schedule 46  
Sect 1 Stmt 4- PJM RTEP  
Page 47 of 57

|    |            |
|----|------------|
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | 2,729.50   |
| \$ | -          |
| \$ | -          |
| \$ | 319,288.70 |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | 1,306.87   |
| \$ | -          |
| \$ | -          |
| \$ | 165,986.63 |
| \$ | -          |
| \$ | -          |
| \$ | 10,247.24  |
| \$ | 13,337.86  |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | -          |
| \$ | 31,379.74  |
| \$ | 3,606.98   |
| \$ | -          |
| \$ | -          |

APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
PUR-2022-00014  
Regional Transmission Enhancement Project Charges

APCO Exhibit No. \_\_\_\_\_  
Witness MMH  
Schedule 46  
Sect 1 Stmt 4- PJM RTEP  
Page 48 of 57



APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
PUR-2022-00014  
Regional Transmission Enhancement Project Charges

APCO Exhibit No. \_\_\_\_\_  
Witness MMH  
Schedule 46  
Sect 1 Stmt 4- PJM RTEP  
Page 49 of 57

| Annual AEP Responsibility |                |
|---------------------------|----------------|
| \$                        | 191,612,364.10 |
|                           | 84.267%        |
|                           | 28.482%        |
| \$                        | 45,988,277.36  |
| \$                        | 3,832,356.45   |

APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
Derivation of PJM Admin Charges  
Rate Year Beginning August 1, 2022

APCO Exhibit No. \_\_\_\_\_  
Witness MMH  
Schedule 46  
a(1) Statement 5 PJM Admin  
Page 1 of 1

|          |           |
|----------|-----------|
| Year     | 2022/2023 |
| Bus Unit | 215       |

| Projected Amount | 8          | 9          | 10         | 11         | 12         | 1            | 2          | 3          | 4          | 5          | 6          | 7          | Grand Total      |
|------------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------------|
| Account          |            |            |            |            |            |              |            |            |            |            |            |            |                  |
| 5614001          | \$ 459,427 | \$ 511,951 | \$ 443,179 | \$ 437,145 | \$ 424,891 | \$ 821,107   | \$ 589,502 | \$ 579,491 | \$ 455,970 | \$ 331,103 | \$ 455,959 | \$ 448,012 | \$ 5,757,343 (A) |
| 5616001          | \$ 123,939 | \$ 136,946 | \$ 113,156 | \$ 142,120 | \$ 174,949 | \$ 207,610   | \$ 315,518 | \$ 169,669 | \$ 125,040 | \$ 91,809  | \$ 127,228 | \$ 120,500 | \$ 1,893,868 (B) |
| Grand Total      | \$ 583,366 | \$ 648,897 | \$ 556,335 | \$ 579,265 | \$ 599,840 | \$ 1,028,717 | \$ 905,020 | \$ 749,160 | \$ 581,010 | \$ 422,912 | \$ 583,187 | \$ 568,512 | \$ 7,651,211     |

Notes

- (A) PJM Administrative Service Fees for Scheduling, System Control and Dispatching Services (5614001)  
(B) PJM Administrative Service Fees for Reliability Planning and Standards Development Services (5616001)  
PJM Administrative Service Fees for Market Administration, Monitoring and Compliance Services- NOT INCLUDED PER ORDER IN CASE NO. 2009-00031 (5757001)

2022/2023

APPALACHIAN POWER COMPANY - VIRGINIA  
Subsection A-4 Costs  
Subsection A-4 Costs- Update Calculation  
For the Period  
Beginning March  
2022 Through July 2022

APCO Exhibit No. \_\_\_\_\_  
Witness JMW/HQW  
Schedule #8  
Sect 1 Smt 6- Update Period  
Page 51 of 57

| Line No.                                      | Item Description  | Notes                        | March          | April          | May            | June           | July           | Total          |
|---|---|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1(A)  | MIS Rate \$/MW - Day  |                              | \$ 303.71      | \$ 303.71      | \$ 303.71      | \$ 303.71      | \$ 303.71      |                |
| 2(A)  | AEP East LSE 1 NSPL   |                              | 18,550         | 18,550         | 18,550         | 18,550         | 18,550         |                |
| 3(A)  | Number of Days - Month  |                              | 31             | 30             | 31             | 30             | 31             |                |
| 4(A)  | AEP's PJM NTS Charge (Line 1(A) * 2(A) * 3(A))  |                              | \$ 174,648,874 | \$ 169,018,040 | \$ 174,648,874 | \$ 169,018,040 | \$ 174,648,874 | \$ 847,978,702 |
| 5(A)  | APCO's Actual 12CP Percentage   |                              | 28.482%        | 28.482%        | 28.482%        | 28.482%        | 28.482%        |                |
| 5(B)  | Open Access Distribution Customers<br>- 1 CP MW contribution * Line 4 * Line 3              | 1 CP MW contribution<br>31.0 | \$ (291,869)   | \$ (287,434)   | \$ (291,869)   | \$ (287,434)   | \$ (291,869)   |                |
| 6(A)  | Appalachian Virginia Retail Jurisdiction  |                              | 53.13%         | 53.13%         | 53.13%         | 53.13%         | 53.13%         |                |
| 7(A)  | APCO's Va Jurisdictional NTS Charge ((Line 4(A) - 5(A)*5(A))-5(B))                          |                              | \$ 16,134,778  | \$ 23,261,722  | \$ 16,134,778  | \$ 23,261,722  | \$ 16,134,778  | \$ 128,587,780 |
| Subsection A4 Costs -PJM Transmission Credits |   |                              |                |                |                |                |                |                |
| 8(A)  | PJM Point to Point Transmission Service Credits   |                              | \$ (481,102)   | \$ (503,000)   | \$ (380,967)   | \$ (523,778)   | \$ (600,512)   | \$ (2,489,359) |
| 9(A)  | Appalachian Virginia Retail Jurisdiction  |                              | 53.13%         | 53.13%         | 53.13%         | 53.13%         | 53.13%         |                |
| 10(A)   | APCO's Va Jurisdictional PJM Transmission Credits (Line 8(A)*9(A))                          |                              | \$ (255,580)   | \$ (267,231)   | \$ (203,546)   | \$ (278,982)   | \$ (319,858)   | \$ (1,325,211) |
| Subsection A4 Costs -IA Rates                 |   |                              |                |                |                |                |                |                |
| 11(A)   | Schedule 1A Rate \$/MWH   |                              | \$ (0.0359)    | \$ (0.0359)    | \$ (0.0359)    | \$ (0.0359)    | \$ (0.0359)    |                |
| 12(A)   | AEP-East Energy Sales   |                              | 9,214,302      | 8,047,473      | 8,293,573      | 9,003,962      | 9,609,144      |                |
| 13(A)   | AEP's PJM Schedule 1A Charge (Line 11(A) * 12(A))   |                              | \$ (331,810)   | \$ (288,897)   | \$ (297,690)   | \$ (323,189)   | \$ (334,244)   | \$ (1,555,727) |
| 14(A)   | APCO's Forecasted Energy Sales %  |                              | 27.782%        | 28.476%        | 28.165%        | 29.917%        | 28.177%        |                |
| 15(A)   | Appalachian Virginia Retail Jurisdiction  |                              | 52.01%         | 52.01%         | 52.01%         | 52.01%         | 52.01%         |                |
| 16(A)   | APCO's Va Jurisdictional 1A Charge (Line 13(A) * 14(A)*15(A))                               |                              | \$ (17,813)    | \$ (18,774)    | \$ (18,111)    | \$ (15,542)    | \$ (18,358)    | \$ (78,545)    |
| Subsection A4 Costs -Schedule 12 RTEP Costs   |   |                              |                |                |                |                |                |                |
| 17(A)   | Levelized APCO RTEP Costs<br>Transmission Enhancement Charge Acquisition (FERC EL05-12)100% |                              | \$ 3,832,336   | \$ 3,832,356   | \$ 3,832,356   | \$ 3,832,356   | \$ 3,832,356   | \$ 19,161,782  |
|   |   |                              | \$ (263,466)   | \$ (263,466)   | \$ (263,466)   | \$ (263,466)   | \$ (263,466)   | \$ (1,317,328) |
| 18(A)   | Appalachian Virginia Retail Jurisdiction  |                              | 53.13%         | 53.13%         | 53.13%         | 53.13%         | 53.13%         |                |
| 19(A)   | APCO's Va Jurisdictional RTEP Charges (Line 17(A)*18(A))                                    |                              | \$ 1,896,023   | \$ 1,896,023   | \$ 1,896,023   | \$ 1,896,023   | \$ 1,896,023   | \$ 9,449,118   |
| Subsection A4 Costs -PJM Admin Costs          |   |                              |                |                |                |                |                |                |
| 20(A)   | APCO PJM Admin Costs  |                              | \$ 713,882     | \$ 509,617     | \$ 414,718     | \$ 571,421     | \$ 557,300     | \$ 2,827,609   |
| 21(A)   | Appalachian Virginia Retail Jurisdiction  |                              | 48.81%         | 48.81%         | 48.81%         | 48.81%         | 48.81%         |                |
| 22(A)   | APCO Va Jurisdictional PJM Admin Costs (Line 20(A)*21(A))                                   |                              | \$ 348,488     | \$ 248,057     | \$ 202,443     | \$ 276,647     | \$ 271,688     | \$ 1,356,856   |
| 23(A)   | APCO's Va Jurisdictional T-RAC Expenses (Line 7(A) + 10(A)+16(A)+19(A)+22(A))               |                              | \$ 28,073,778  | \$ 27,158,795  | \$ 27,990,341  | \$ 27,144,884  | \$ 27,835,831  | \$ 128,365,428 |
| 24(A)   | APCO's Va Jurisdictional T-RAC Revenue Recovery (Using triennial billing determinants)      |                              | \$ 30,617,719  | \$ 26,468,374  | \$ 22,855,357  | \$ 24,212,643  | \$ 24,748,343  | \$ 130,902,458 |
| 25(A)   | APCO's Va Jurisdictional Under (Over) Recovery Position (Line 23(A)-24(A))                  |                              | \$ (2,543,841) | \$ 690,421     | \$ 5,134,984   | \$ 2,932,241   | \$ 3,087,489   | \$ 7,452,973   |

APPALACHIAN POWER COMPANY - VIRGINIA  
Subsection A-4 Costs  
Estimate of Annual Transmission Revenues at Current Rates

APCO Exhibit No. \_\_\_\_\_  
Witness MMH/KIW  
Schedule 46  
Section 1  
Statement 6  
Page 2 of 2

Using triennial billing determinants

| Sum of Revenues  |                |
|------------------|----------------|
| Monthly Revenues | Total          |
| Jan              | \$ 37,665,043  |
| Feb              | \$ 34,782,841  |
| Mar              | \$ 30,617,719  |
| Apr              | \$ 26,468,374  |
| May              | \$ 22,855,357  |
| Jun              | \$ 24,212,663  |
| Jul              | \$ 26,748,343  |
| Aug              | \$ 27,407,151  |
| Sep              | \$ 26,086,925  |
| Oct              | \$ 22,963,028  |
| Nov              | \$ 25,505,453  |
| Dec              | \$ 32,428,308  |
| Grand Total      | \$ 337,741,206 |

APPALACHIAN POWER COMPANY - VA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
Proposed T-RAC Cells  
Rate Year-2026  
in Millions

APCO Exhibit No. \_\_\_\_\_  
Witness KOWALUK  
Schedule 48  
Sec 1 Item 7- Proj Cost  
Page 53 of 57

| Line | Rate Year  | 2023                 |                                       |                               | 2024                 |                                       |                               | 2025                 |                                       |                               | 2026                 |                                       |                               |
|------|--|----------------------|---------------------------------------|-------------------------------|----------------------|---------------------------------------|-------------------------------|----------------------|---------------------------------------|-------------------------------|----------------------|---------------------------------------|-------------------------------|
|      |  | Estimated<br>Company | Estimated<br>Virtalia<br>Jurisdiction | Estimated<br>Total<br>Company | Estimated<br>Company | Estimated<br>Virtalia<br>Jurisdiction | Estimated<br>Total<br>Company | Estimated<br>Company | Estimated<br>Virtalia<br>Jurisdiction | Estimated<br>Total<br>Company | Estimated<br>Company | Estimated<br>Virtalia<br>Jurisdiction | Estimated<br>Total<br>Company |
| 1    | Netwest Integration Transmission Service (NITS) Charges                      | \$ 92.49             | \$ 216.61                             | \$ 309.10                     | \$ 342.15            | \$ 342.15                             | \$ 684.30                     | \$ 387.63            | \$ 387.63                             | \$ 775.26                     | \$ 784.75            | \$ 784.75                             | \$ 1,569.51                   |
| 2    | Power to Plant Transmission Service Credits                                  | \$ (5.97)            | \$ (1.17)                             | \$ (7.14)                     | \$ (3.17)            | \$ (3.17)                             | \$ (6.34)                     | \$ (3.17)            | \$ (3.17)                             | \$ (6.34)                     | \$ (3.17)            | \$ (3.17)                             | \$ (12.51)                    |
| 3    | Another Service Schedule 1A Charges  | \$ (8.11)            | \$ (8.27)                             | \$ (16.38)                    | \$ (8.87)            | \$ (8.87)                             | \$ (17.74)                    | \$ 8.88              | \$ 8.88                               | \$ 16.76                      | \$ 1.56              | \$ 1.56                               | \$ 18.32                      |
| 4    | Total of P14 Transmission Enhancement Charges                                | \$ 42.83             | \$ 22.75                              | \$ 65.58                      | \$ 38.73             | \$ 38.73                              | \$ 77.46                      | \$ 20.31             | \$ 20.31                              | \$ 38.62                      | \$ 11.18             | \$ 11.18                              | \$ 49.80                      |
| 5    | P14 Administrative Charges (Line B-11)                                       | \$ 7.65              | \$ 3.84                               | \$ 11.49                      | \$ 3.07              | \$ 3.07                               | \$ 6.14                       | \$ 3.76              | \$ 3.76                               | \$ 7.52                       | \$ 2.97              | \$ 2.97                               | \$ 10.49                      |
| 6    | Customer Response Program Cost Recovery                                      | \$ -                 | \$ -                                  | \$ -                          | \$ -                 | \$ -                                  | \$ -                          | \$ -                 | \$ -                                  | \$ -                          | \$ -                 | \$ -                                  | \$ -                          |
| 7    | Total T-RAC Current Revenue Requirement (Line 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8) | \$ 133.85            | \$ 239.76                             | \$ 373.61                     | \$ 424.73            | \$ 424.73                             | \$ 849.46                     | \$ 419.56            | \$ 419.56                             | \$ 839.02                     | \$ 802.58            | \$ 802.58                             | \$ 1,641.60                   |

A Rate Year Turn-Up Percent  
B Rate Year Update Period  
Total Rate Year Revenue Requirement (B = A \* B)

9777777777

APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
COST OF SERVICE - ITERIZATION  
Calendar Years 2023

APCO ELEC N3  
Witness MARKOV  
Schedule 48  
Sec 1 Sum 7-Forecasted 2023  
Page 34 of 57

(A) (B) (C) (D) (E)  
(B) \* (C)

Calendar Year 01/01/2023 - 12/31/2023

| Line No. | Description   | APCO's<br>Transmission<br>Expense | VA Juris. % | Allocation<br>Description | VA's<br>Transmission<br>Expense | APCO Total Transmission Expense* Item<br>Location           | Cost of Service | RTEP<br>Projects | PJM Admin<br>Cost |
|----------|---|-----------------------------------|-------------|---------------------------|---------------------------------|---|-----------------|------------------|-------------------|
| 1        | Network Integration Transmission Service (NITS) Charges   | \$ 644,036,417                    | 53.13%      | Demand                    | \$ 342,153,363                  | Schedule 48, Section 1 Statement 3 Page 1 of 1 Line 7       |                 |                  |                   |
| 2        | Point to Point Transmission Service Credits   | \$ (5,987,662)                    | 53.13%      | Demand                    | \$ (3,170,484)                  | Schedule 46, Section 1 Statement 3 Page 1 of 1 Line 8       |                 |                  |                   |
| 3        | Ancillary Service Schedule 1A Charges<br>(Transmission Owner Scheduling, System Control and Load Dispatching) | \$ (137,560)                      | 52.01%      | Energy                    | \$ (71,545)                     | Schedule 46, Section 1 Statement 3 Page 1 of 1 Line *4      |                 |                  |                   |
| 4        | PJM Transmission Enhancement Charges (Schedule 12)  | \$ 42,188,812                     | 53.13%      | Demand                    | \$ 22,413,397                   | Schedule 46, Section 1, Statement 4 Page 22 of 22 APCo RTEP |                 |                  |                   |
| 5        | Schedule 12 RTEP Projects<br>Transmission Enhancement Charge Adjustment (FERC EL05-121-009)                   | \$ (3,161,587)                    | 53.13%      | Demand                    | \$ (1,678,637)                  |   |                 |                  |                   |
| 6        | Total of PJM Transmission Enhancement Charges   | \$ 39,027,225                     |             |                           | \$ 20,733,760                   |   |                 |                  |                   |
| 7        | PJM Administrative Charges*   | \$ 5,802,871                      | 48.81%      | Demand                    | \$ 2,832,655                    | Schedule 46, Section 1 Statement 5 Page 1 of 1, 56140C1 (A) |                 |                  |                   |
| 8        | PJM Admin - SSC & DS - Internal   | \$ 1,706,430                      | 48.81%      | Demand                    | \$ 837,989                      | Schedule 46, Section 1 Statement 5 Page 1 of 1, 5618001 (B) |                 |                  |                   |
| 9        | PJM Admin - RP & SDS - Internal   | \$ -                              | 48.81%      | Demand                    | \$ -                            | Not Applicable  |                 |                  |                   |
| 10       | PJM Admin - MAM & SC - Internal   | \$ -                              | 48.81%      | Demand                    | \$ -                            | Not Applicable  |                 |                  |                   |
| 11       | PJM Admin - Delays LSE  | \$ -                              | 48.81%      | Demand                    | \$ -                            | Not Applicable  |                 |                  |                   |
| 12       | PJM Administrative Charges (Line 8 - 11)  | \$ 7,509,301                      |             |                           | \$ 3,665,645                    |   |                 |                  |                   |
| 13       | Demand Response Program Cost Recovery   | \$ -                              | 53.13%      | Demand                    | \$ -                            |   |                 |                  |                   |
| 14       | Total T-RAC Revenue Requirement (Line 1 + 2 + 3 + 6 + 12 + 13)  | \$ 664,457,721                    |             |                           | \$ 363,310,818                  |   |                 |                  |                   |

Notes

12 Month Demand & Energy Study of Transmission- Excludes Kingsport and FERC Customers (December)  
12 Month Demand and Energy Study - Includes Kingsport and FERC Customers (December)

20230922



APPALACHIAN POWER COMPANY VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
COST OF SERVICE - ITEMIZATION  
Calendar Year 2025

2025 Budget 10  
Witness: UNX/ARW  
Submitted: 10/20/2025  
Sect: 1 Item 1 Effective 2025  
Page 56 of 57

(A) Calendar Year 01/01/2025 - 12/31/2025

(B) (C) (D) (E)  
(B) \* (C)

| Line No. | Description   | APCO's Transmission Expenses | VA Juris. % | Allocator Description | VA's Transmission Expenses | APCO Total Transmission Expense Item Location                 | Cost of Service | RTEP Projects | PJM Admin Cost |
|----------|---|------------------------------|-------------|-----------------------|----------------------------|---|-----------------|---------------|----------------|
| 1        | Network Integration Transmission Service (NTS) Charges  | \$ 738,338,357               | 53.13%      | Demand                | \$ 393,101,549             | Schedule 46 Section 1 Statement 3; Page 1 of 1 Line 7         |                 |               |                |
| 2        | Point to Point Transmission Service Credits   | \$ (5,987,662)               | 53.13%      | Demand                | \$ (3,170,404)             | Schedule 46 Section 1, Statement 3 Page 1 of 1 Line 8         |                 |               |                |
| 3        | Ancillary Service Schedule 1A Charges<br>(Transmission Owner Scheduling, System Control and Load Dispatching) | \$ 1,267,895                 | 52.01%      | Energy                | \$ 711,478                 | Schedule 46 Section 1, Statement 3 Page 1 of 1 Line 14        |                 |               |                |
| 4        | PJM Transmission Enhancement Charges (Schedule 12)  | \$ 40,164,416                | 53.13%      | Demand                | \$ 21,337,908              | Schedule 46 Section 1 Statement 4 Page 22 of 22; APCo RTEP    |                 |               |                |
| 5        | Schedule 12 RTEP Projects<br>Transmission Enhancement Charge Acquisition (FERC EL05-121-009)                  | \$ (3,161,587)               | 53.13%      | Demand                | \$ (1,679,637)             |   |                 |               |                |
| 6        | Total of PJM Transmission Enhancement Charges   | \$ 37,002,829                |             |                       | \$ 19,658,271              |   |                 |               |                |
| 7        | PJM Administrative Charges*   | \$ 6,037,307                 | 48.81%      | Demand                | \$ 2,947,095               | Schedule 46, Section 1, Statement 5, Page 1 of 1, 5614001 (A) |                 |               |                |
| 8        | PJM Admin - SSC & DS - Internal   | \$ 1,775,370                 | 48.81%      | Demand                | \$ 866,842                 | Schedule 46, Section 1, Statement 5 Page 1 of 1, 5618001 (B)  |                 |               |                |
| 9        | PJM Admin - RP & SDS - Internal   | \$ -                         | 48.81%      | Demand                | \$ -                       | Not Applicable  |                 |               |                |
| 10       | PJM Admin - MAM & SC - Internal   | \$ -                         | 48.81%      | Demand                | \$ -                       | Not Applicable  |                 |               |                |
| 11       | PJM Admin - Defaults LSE  | \$ -                         | 48.81%      | Demand                | \$ -                       | Not Applicable  |                 |               |                |
| 12       | PJM Administrative Charges (Line 8 - 11)  | \$ 7,812,877                 |             |                       | \$ 3,813,737               |   |                 |               |                |
| 13       | Demand Response Program Cost Recovery   | \$ -                         | 53.13%      | Demand                | \$ -                       |   |                 |               |                |
| 14       | Total T-RAC Revenue Requirement (Line 1 + 2 + 3 + 6 + 12 + 13)  | \$ 780,152,166               |             |                       | \$ 414,114,631             |   |                 |               |                |

Notes

12 Month Demand & Carry Study of Transmission - Excludes Kingston and FERC Customers (December)  
12 Month Demand and Energy Study - Includes Kingston and FERC Customers (December)

2025

APPCO Eastern, Inc.  
 VIRGINIA  
 TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
 PUR-2022-00014  
 COST OF SERVICE - ITEMIZATION  
 Calendar Year 2026

APPCO Eastern, Inc.  
 VIRGINIA  
 TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
 PUR-2022-00014  
 COST OF SERVICE - ITEMIZATION  
 Calendar Year 2026

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

Calendar Year 01/01/2026 - 12/31/2026

| Line No. | Description  | APCCo Transmission Expense | VA Juris. % | Allocation Distribution | VA's Transmission Expense | APCCo Total Transmission Expenses Item Location              | Cost of Service | RTEP Projects | PJM Admin Cost |
|----------|--|----------------------------|-------------|-------------------------|---------------------------|--|-----------------|---------------|----------------|
| 1        | Network Integration Transmission Service (NITS) Charges  | \$ 785,748,295             | 53.13%      | Demand                  | \$ 417,871,048            | Schedule 46 Section 1 Statement 3 Page 1 of 1, Line 7        |                 |               |                |
| 2        | Point to Point Transmission Service Credits  | \$ (5,987,662)             | 53.13%      | Demand                  | \$ (3,170,064)            | Schedule 46 Section 1, Statement 3, Page 1 of 1, Line 8      |                 |               |                |
| 3        | Ancillary Service Schedule 1A Charges<br>(Transmission Owner: Scheduling, System Control and Load Dispatching) | \$ 1,379,371               | 52.01%      | Energy                  | \$ 717,723                | Schedule 46 Section 1 Statement 3 Page 1 of 1, Line 14       |                 |               |                |
| 4        | PJM Transmission Enhancement Charges (Schedule 12)   | \$ 42,412,077              | 53.13%      | Demand                  | \$ 22,512,010             | Schedule 46 Section 1 Statement 4 Page 22 of 22 APCCo RTEP   |                 |               |                |
| 5        | Schedule 12 RTEP Projects<br>Transmission Enhancement Charge Adjustment (FERC EL05-121-009)                    | \$ (3,151,567)             | 53.13%      | Demand                  | \$ (1,678,631)            |  |                 |               |                |
| 6        | Total of PJM Transmission Enhancement Charges  | \$ 39,250,490              |             |                         | \$ 20,833,372             |  |                 |               |                |
| 7        | PJM Administrative Charges:  |                            |             |                         |                           |  |                 |               |                |
| 8        | PJM Admin - CSC & DS - Internal  | \$ 6,158,053               | 48.81%      | Demand                  | \$ 3,006,037              | Schedule 46 Section 1 Statement 5 Page 1 of 1, 5614001 (A)   |                 |               |                |
| 9        | PJM Admin - RP & SDS - Internal  | \$ 1,610,878               | 48.81%      | Demand                  | \$ 883,975                | Schedule 46 Section 1, Statement 5, Page 1 of 1, 5618001 (B) |                 |               |                |
| 10       | PJM Admin - MAN & SC - Internal  | \$ -                       | 48.81%      | Demand                  | \$ -                      | Not Applicable   |                 |               |                |
| 11       | PJM Admin - Defaults & SE  | \$ -                       | 48.81%      | Demand                  | \$ -                      | Not Applicable   |                 |               |                |
| 12       | PJM Administrative Charges (Line 8 - 11)   | \$ 7,868,931               |             |                         | \$ 3,890,011              |  |                 |               |                |
| 13       | Demand Response Program Cost Recovery  | \$ -                       | 53.13%      | Demand                  | \$ -                      |  |                 |               |                |
| 14       | Total T-RAC Revenue Requirement (Line 1 + 2 + 3 + 6 + 12 + 13)   | \$ 829,340,076             |             |                         | \$ 440,760,739            |  |                 |               |                |

Notes

12 Month Demand & Energy Study of Transmission- Excludes Kingsport and FERC Customers (December)  
 12 Month Demand and Energy Study - Includes Kingsport and FERC Customers (December)



**Annual Revenue Requirement Summary**  
**APCo Virginia Retail Jurisdiction**

|   |                       |
|---|-----------------------|
| Going level OATT revenue requirement          | \$ 337,965,532        |
| Under recovery to be recovered over 12 months | \$ 26,911,717         |
| Pilot Program Distribution                    | \$ 3,204,399          |
| <b>Total T-RAC Revenue Requirement</b>        | <b>\$ 368,081,649</b> |

| Revenue Requirements                        |                |                |               |  |
|---|----------------|----------------|---------------|--|
| <u>Under-recovery</u>                       | <u>Total</u>   | <u>Demand</u>  | <u>Energy</u> |  |
| T-RAC Prior Period True-up 1/2021-2/2022    | \$ 19,508,744  | \$ 19,419,004  | \$ 89,740     |  |
| Update Period March 2022 - July 2022        | \$ 7,402,973   | \$ 7,408,837   | \$ (5,864)    |  |
| Total under-recovery                        | \$ 26,911,717  | \$ 26,827,841  | \$ 83,876     |  |
| <u>Going level OATT revenue requirement</u> | \$ 337,965,532 | \$ 338,233,235 | \$ (267,702)  |  |
| Pilot Program                               | \$ 3,204,399   | \$ 3,204,399   | \$ -          |  |
| <u>Totals</u>                               | \$ 368,081,649 | \$ 368,265,475 | \$ (267,702)  |  |

**Appalachian Power Company  
 EDR Pilot Program Project Revenue Requirement  
 Distribution Plant**

**Rate Base**

Gross Plant In-service  
 Accumulated depreciation  
**13 Month Average Plant In Service**  
  
 Average CWIP  
 Average Net Distribution Plant Balance  
  
 Accumulated Deferred Taxes  
**13 Month Average Rate Base**

|       | Rate Year     |
|-------|---------------|
|       | \$ 13,985,930 |
| 2.73% | \$ (561,787)  |
|       | \$ 13,424,144 |
|       | \$ 2,655,882  |
|       | \$ 16,080,026 |
|       | \$ (120,105)  |
|       | \$ 15,959,921 |

**Cost of Service**

Average Rate Base  
 WACC  
 NOI  
 Weighted Average Cost of Debt  
 Less: Interest Expense on Debt  
 Net Income  
 Revenue Requirement (with tax gross-up)  
 Revenue Requirement financing costs

|               |
|---------------|
| \$ 15,959,921 |
| 6.817%        |
| \$ 1,087,981  |
| 2.374%        |
| \$ 378,965    |
| \$ 709,016    |
| \$ 937,872    |
| \$ 378,965    |

- 1 Revenue Requirement on Average Rate Base
  - 2 Depreciation Expense
  - 3 O&M
  - 4 Taxes Other than Income Taxes
- Total Cost of Service**

|              |
|--------------|
| \$ 1,316,837 |
| \$ 376,837   |
| \$ -         |
| \$ -         |
| \$ 1,693,674 |

Virginia Retail Jurisdictional Share @  
**VA Jurisdictional Cost of Service - Rate Year**

|              |
|--------------|
| 94.331%      |
| \$ 1,597,657 |

**Pre-RAC Deferred Amounts**

Account 1823640 VA Dist Substation Dep Def at December 2021  
 Account 1823641 VA Dist Substation CC Def at December 2021  
**Total Pre-RAC Deferral**

|              |
|--------------|
| \$ 297,740   |
| \$ 978,499   |
| \$ 1,274,239 |

**Projection of Additional Pre-RAC Deferral for January - June 2022**

13 Month Average Rate Base June 2021 - June 2022  
 NOI  
 Less: Interest Expense on Debt  
 Net Income  
 Revenue Requirement (with tax gross-up)  
 Revenue Requirement financing costs

|              |
|--------------|
| \$ 6,330,324 |
| \$ 431,536   |
| \$ 150,312   |
| \$ 281,223   |
| \$ 371,996   |
| \$ 150,312   |

- 1 Revenue Requirement - 6 months Jan-June 2022
  - 2 Depreciation Expense - Jan through June 2022
  - 3 Total Projected Jan-July 2022 Cost of Service
- Total VA Projected Jan-July 2022 Deferral**

|            |
|------------|
| \$ 261,154 |
| \$ 91,332  |
| \$ 352,487 |
| \$ 332,503 |

**Total VA Jurisdictional Cost of Service**

|              |
|--------------|
| \$ 3,204,399 |
|--------------|

Demand Portion  
 Energy Portion

100.00%  
 0.00%

| Description   | May-20   | Jun-20    | Jul-20    |
|---|--|-----------|-----------|
| In-service - Commonwealth Crossing (5/7/2020 ISD)       | 6,691,000                                      |           |           |
| In-service - Berry Hill (10/22/2022 ISD)                |  |           |           |
| <b>Total Gross Plant</b>                                | 6,691,000                                      | 6,691,000 | 6,691,000 |
| <b>Cumulative Depreciable Plant</b>                     |  |           |           |
| Commonwealth  | 6,691,000                                      | 6,691,000 | 6,691,000 |
| Berry Hill  | -  | -         | -         |
| <b>Total Depreciable Plant</b>                          | 6,691,000                                      | 6,691,000 | 6,691,000 |
| <b>Book Depreciation</b>                                | <b>Depreciation Rate</b>                       |           |           |
| Book Depreciation Exp. - Commonwealth Crossing (        | 2.73%  | 15,222    | 15,222    |
| Book Depreciation Exp. - Berry Hill (@ 2.73% )          | 2.73%  | -         | -         |
| <b>Total Book Depreciation Expense</b>                  |  | 15,222    | 15,222    |
| 2.73% Composite Depreciation Rate                       |  |           |           |
| <b>Accumulated Book Accumulated Depreciation</b>        |  | 15,222    | 30,444    |
| <b>Tax Depreciation</b>                                 |  |           |           |
| Tax Depreciation Year - Commonwealth Crossing           |  |           |           |
| Tax Depreciation Year - Berry Hill                      |  |           |           |
| Tax Depreciation - Commonwealth Crossing                |  | 20,909    | 20,909    |
| Tax Depreciation - Berry Hill                           |  |           |           |
| <b>Total Tax Depr</b>                                   | 0  | 20,909    | 20,909    |
| <b>Accumulated Tax Accumulated Depreciation</b>         |  | 20,909    | 41,819    |
| <b>Deferred taxes</b>                                   |  |           |           |
| Annual Deferred Tax Expense-Commonwealth Cros           | (0)  | 1,194     | 1,194     |
| Annual Deferred Tax Expense-Berry Hill                  | (0)  | 0         | 0         |
| <b>Total Deferred Tax Expense/(Benefit)</b>             | (0)  | 1,194     | 1,194     |
| <b>Accumulated Deferred Federal Income Tax</b>          |  |           |           |
| ADFIT - Commonwealth Crossing                           | 0  | (1,194)   | (2,389)   |
| ADFIT - Berry Hill                                      | 0  | 0         | 0         |
| <b>Total Accumulated Deferred Federal Income Tax As</b> | 0  | (1,194)   | (2,389)   |
|   | <b>Tax Depreciation Year</b>                   | 1         | 2         |
|   | <b>Half Year Conversion 20 year MACRS Life</b> | 0.03750   | 0.07219   |
| <b>Total CWIP - (Rate Year Berry Hill)</b>              |  |           |           |
| <b>Total Rate Base</b>                                  |  | 6,674,584 | 6,658,167 |
| <b>Rate Base Excluding CWIP</b>                         |  | 6,674,584 | 6,658,167 |

| Aug-20    | Sep-20    | Oct-20    | Nov-20    | Dec-20    | Jan-21    | Feb-21    | Mar-21    | Apr-21    | May-21    |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 |
| 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 |
| 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 |
| 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    |
| 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    |
| 45,666    | 60,888    | 76,110    | 91,332    | 106,554   | 121,776   | 136,998   | 152,220   | 167,442   | 182,664   |
|           |           |           |           |           |           |           |           |           |           |
| 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    |
| 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    | 20,909    |
| 62,728    | 83,638    | 104,547   | 125,456   | 146,366   | 167,275   | 188,184   | 209,094   | 230,003   | 250,913   |
| 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     |
| 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     | 1,194     |
| (3,583)   | (4,777)   | (5,972)   | (7,166)   | (8,360)   | (9,555)   | (10,749)  | (11,943)  | (13,138)  | (14,332)  |
| 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| (3,583)   | (4,777)   | (5,972)   | (7,166)   | (8,360)   | (9,555)   | (10,749)  | (11,943)  | (13,138)  | (14,332)  |
| 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        |
| 0.06677   | 0.06177   | 0.05713   | 0.05285   | 0.04888   | 0.04522   | 0.04462   | 0.04461   | 0.04462   | 0.04461   |
|           |           |           |           |           |           |           |           |           |           |
| 6,641,751 | 6,625,335 | 6,608,918 | 6,592,502 | 6,576,085 | 6,559,669 | 6,543,253 | 6,526,836 | 6,510,420 | 6,494,004 |
| 6,641,751 | 6,625,335 | 6,608,918 | 6,592,502 | 6,576,085 | 6,559,669 | 6,543,253 | 6,526,836 | 6,510,420 | 6,494,004 |

| Jun-21    | Jul-21    | Aug-21    | Sep-21    | Oct-21    | Nov-21    | Dec-21    | Jan-22    | Feb-22     | Mar-22     |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000  | 6,691,000  |
| 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000  | 6,691,000  |
| 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000 | 6,691,000  | 6,691,000  |
| 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222     | 15,222     |
| 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222    | 15,222     | 15,222     |
| 197,886   | 213,108   | 228,330   | 243,552   | 258,774   | 273,996   | 289,218   | 304,441   | 319,663    | 334,885    |
| 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252     | 40,252     |
| 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252    | 40,252     | 40,252     |
| 291,164   | 331,416   | 371,668   | 411,920   | 452,172   | 492,424   | 532,676   | 572,928   | 613,180    | 653,432    |
| 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256      | 5,256      |
| 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0          |
| 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256     | 5,256      | 5,256      |
| (19,588)  | (24,845)  | (30,101)  | (35,357)  | (40,614)  | (45,870)  | (51,126)  | (56,382)  | (61,639)   | (66,895)   |
| 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0          |
| (19,588)  | (24,845)  | (30,101)  | (35,357)  | (40,614)  | (45,870)  | (51,126)  | (56,382)  | (61,639)   | (66,895)   |
| 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21         |            |
| 0.04462   | 0.04461   | 0.04462   | 0.04461   | 0.04462   | 0.04461   | 0.04462   | 0.04461   | 0.02231    |            |
|           |           |           |           |           |           | 2,385,000 | 2,980,802 | 3,697,250  | 4,262,165  |
| 6,473,525 | 6,453,047 | 6,432,569 | 6,412,090 | 6,391,612 | 6,371,134 | 8,735,655 | 9,310,979 | 10,006,949 | 10,551,385 |
| 6,473,525 | 6,453,047 | 6,432,569 | 6,412,090 | 6,391,612 | 6,371,134 | 6,350,655 | 6,330,177 | 6,309,699  | 6,289,221  |

| Apr-22     | May-22     | Jun-22     | Jul-22     | Aug-22     | Sep-22     | Oct-22     | Nov-22     | Dec-22     |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            |            |            |            |            |            | 9,483,410  |            |            |
| 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 16,174,410 | 16,174,410 | 16,174,410 |
| 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  |
| -          | -          | -          | -          | -          | -          | 9,483,410  | 9,483,410  | 9,483,410  |
| 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 16,174,410 | 16,174,410 | 16,174,410 |
| 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     |
| -          | -          | -          | -          | -          | -          | -          | 21,575     | 21,575     |
| 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 36,797     | 36,797     |
| 350,107    | 365,329    | 380,551    | 395,773    | 410,995    | 426,217    | 441,439    | 478,236    | 515,032    |
|            |            |            |            |            |            |            |            |            |
| 40,252     | 40,252     | 37,230     | 37,230     | 37,230     | 37,230     | 37,230     | 37,230     | 37,230     |
|            |            |            |            |            |            |            | 29,636     | 29,636     |
| 40,252     | 40,252     | 37,230     | 37,230     | 37,230     | 37,230     | 37,230     | 66,865     | 66,865     |
| 693,684    | 733,936    | 771,166    | 808,395    | 845,625    | 882,855    | 920,085    | 986,950    | 1,053,816  |
| 5,256      | 5,256      | 4,622      | 4,622      | 4,622      | 4,622      | 4,622      | 4,622      | 4,622      |
| 0          | 0          | 0          | 0          | 0          | 0          | 0          | 1,693      | 1,693      |
| 5,256      | 5,256      | 4,622      | 4,622      | 4,622      | 4,622      | 4,622      | 6,314      | 6,314      |
| (72,151)   | (77,408)   | (82,029)   | (86,651)   | (91,272)   | (95,894)   | (100,516)  | (105,137)  | (109,759)  |
| 0          | 0          | 0          | 0          | 0          | 0          | 0          | (1,693)    | (3,386)    |
| (72,151)   | (77,408)   | (82,029)   | (86,651)   | (91,272)   | (95,894)   | (100,516)  | (106,830)  | (113,145)  |
| 4,763,554  | 5,784,702  | 6,684,069  | 7,157,009  | 8,324,757  | 9,192,340  | 9,483,410  | 20,476     | 36,936     |
| 11,032,296 | 12,032,965 | 12,912,489 | 13,365,585 | 14,513,490 | 15,361,229 | 25,115,865 | 15,609,820 | 15,583,168 |
| 6,268,742  | 6,248,264  | 6,228,420  | 6,208,577  | 6,188,733  | 6,168,889  | 15,632,455 | 15,589,344 | 15,548,233 |

| Jan-23     | Feb-23     | Mar-23     | Apr-23     | May-23     | Jun-23     | Jul-23     | Aug-23     | Sep-23     |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 |
| 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  |
| 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  |
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 |
| 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     |
| 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     |
| 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     |
| 551,829    | 588,626    | 625,423    | 662,219    | 699,016    | 735,813    | 772,610    | 809,407    | 846,203    |
| 37,230     | 37,230     | 37,230     | 37,230     | 37,230     | 34,442     | 34,442     | 34,442     | 34,442     |
| 29,636     | 29,636     | 29,636     | 29,636     | 29,636     | 29,636     | 29,636     | 29,636     | 29,636     |
| 66,865     | 66,865     | 66,865     | 66,865     | 66,865     | 64,078     | 64,078     | 64,078     | 64,078     |
| 1,120,681  | 1,187,547  | 1,254,412  | 1,321,278  | 1,388,143  | 1,452,221  | 1,516,299  | 1,580,376  | 1,644,454  |
| 4,622      | 4,622      | 4,622      | 4,622      | 4,622      | 4,036      | 4,036      | 4,036      | 4,036      |
| 1,693      | 1,693      | 1,693      | 1,693      | 1,693      | 1,693      | 1,693      | 1,693      | 1,693      |
| 6,314      | 6,314      | 6,314      | 6,314      | 6,314      | 5,729      | 5,729      | 5,729      | 5,729      |
| (114,381)  | (119,002)  | (123,624)  | (128,246)  | (132,867)  | (136,903)  | (140,940)  | (144,976)  | (149,012)  |
| (5,078)    | (6,771)    | (8,464)    | (10,157)   | (11,850)   | (13,542)   | (15,235)   | (16,928)   | (18,621)   |
| (119,459)  | (125,773)  | (132,088)  | (138,402)  | (144,717)  | (150,446)  | (156,175)  | (161,904)  | (167,633)  |
| 63,586     | 73,986     | 84,386     | 89,586     | -          | -          | -          | -          | -          |
| 15,566,707 | 15,533,996 | 15,501,285 | 15,463,373 | 15,330,677 | 15,288,151 | 15,245,625 | 15,203,099 | 15,160,574 |
| 15,503,121 | 15,460,010 | 15,416,899 | 15,373,788 | 15,330,677 | 15,288,151 | 15,245,625 | 15,203,099 | 15,160,574 |

| Oct-23     | Nov-23     | Dec-23     | Jan-24     | Feb-24     | Mar-24     | Apr-24     | May-24     | Jun-24     |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 |
| 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  |
| 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  |
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 |
| 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     |
| 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     |
| 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     |
| 883,000    | 919,797    | 956,594    | 993,390    | 1,030,187  | 1,066,984  | 1,103,781  | 1,140,578  | 1,177,374  |
| 34,442     | 34,442     | 34,442     | 34,442     | 34,442     | 34,442     | 34,442     | 34,442     | 31,855     |
| 29,636     | 57,051     | 57,051     | 57,051     | 57,051     | 57,051     | 57,051     | 57,051     | 57,051     |
| 64,078     | 91,493     | 91,493     | 91,493     | 91,493     | 91,493     | 91,493     | 91,493     | 88,905     |
| 1,708,531  | 1,800,024  | 1,891,516  | 1,983,009  | 2,074,501  | 2,165,994  | 2,257,487  | 2,348,979  | 2,437,884  |
| 4,036      | 4,036      | 4,036      | 4,036      | 4,036      | 4,036      | 4,036      | 4,036      | 3,493      |
| 1,693      | 7,450      | 7,450      | 7,450      | 7,450      | 7,450      | 7,450      | 7,450      | 7,450      |
| 5,729      | 11,486     | 11,486     | 11,486     | 11,486     | 11,486     | 11,486     | 11,486     | 10,943     |
| (153,048)  | (157,084)  | (161,120)  | (165,157)  | (169,193)  | (173,229)  | (177,265)  | (181,301)  | (184,794)  |
| (20,313)   | (27,763)   | (35,213)   | (42,663)   | (50,113)   | (57,563)   | (65,013)   | (72,463)   | (79,913)   |
| (173,362)  | (184,848)  | (196,334)  | (207,820)  | (219,306)  | (230,792)  | (242,278)  | (253,764)  | (264,707)  |
| 15,118,048 | 15,069,765 | 15,021,482 | 14,973,199 | 14,924,916 | 14,876,633 | 14,828,351 | 14,780,068 | 14,732,328 |
| 15,118,048 | 15,069,765 | 15,021,482 | 14,973,199 | 14,924,916 | 14,876,633 | 14,828,351 | 14,780,068 | 14,732,328 |

| Jul-24     | Aug-24     | Sep-24     | Oct-24     | Nov-24     | Dec-24     | 2025       | 2026       | 2027       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 |
| 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  |
| 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  |
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 |
| 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 15,222     | 182,664    | 182,664    | 182,664    |
| 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 21,575     | 258,897    | 258,897    | 258,897    |
| 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 36,797     | 441,561    | 441,561    | 441,561    |
| 1,214,171  | 1,250,968  | 1,287,765  | 1,324,561  | 1,361,358  | 1,398,155  | 1,839,716  | 2,281,278  | 2,722,839  |
| 31,855     | 31,855     | 31,855     | 31,855     | 31,855     | 31,855     | 365,552    | 338,124    | 312,771    |
| 57,051     | 57,051     | 57,051     | 57,051     | 105,535    | 105,535    | 625,304    | 578,456    | 535,022    |
| 88,905     | 88,905     | 88,905     | 88,905     | 137,389    | 137,389    | 990,856    | 916,580    | 847,793    |
| 2,526,790  | 2,615,695  | 2,704,600  | 2,793,506  | 2,930,895  | 3,068,284  | 4,059,140  | 4,975,721  | 5,823,514  |
| 3,493      | 3,493      | 3,493      | 3,493      | 3,493      | 3,493      | 38,406     | 32,647     | 27,322     |
| 7,450      | 7,450      | 7,450      | 7,450      | 17,632     | 17,632     | 76,946     | 67,107     | 57,986     |
| 10,943     | 10,943     | 10,943     | 10,943     | 21,124     | 21,124     | 115,352    | 99,754     | 85,309     |
| (188,287)  | (191,780)  | (195,273)  | (198,766)  | (202,259)  | (205,751)  | (244,158)  | (276,804)  | (304,127)  |
| (87,363)   | (94,813)   | (102,263)  | (109,713)  | (127,344)  | (144,976)  | (221,921)  | (289,029)  | (347,015)  |
| (275,650)  | (286,593)  | (297,536)  | (308,478)  | (329,603)  | (350,727)  | (466,079)  | (565,833)  | (651,142)  |
| 14,684,588 | 14,636,849 | 14,589,109 | 14,541,370 | 14,483,449 | 14,425,527 | 13,868,614 | 13,327,299 | 12,800,429 |
| 14,684,588 | 14,636,849 | 14,589,109 | 14,541,370 | 14,483,449 | 14,425,527 | 13,868,614 | 13,327,299 | 12,800,429 |

| 2028       | 2029       | 2030       | 2031       | 2032       | 2033        | 2034        | 2035        | 2036        |
|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410  | 16,174,410  | 16,174,410  | 16,174,410  |
| 8,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000  | 6,691,000   | 6,691,000   | 6,691,000   | 6,691,000   |
| 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410  | 9,483,410   | 9,483,410   | 9,483,410   | 9,483,410   |
| 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410 | 16,174,410  | 16,174,410  | 16,174,410  | 16,174,410  |
| 182,664    | 182,664    | 182,664    | 182,664    | 182,664    | 182,664     | 182,664     | 182,664     | 182,664     |
| 258,897    | 258,897    | 258,897    | 258,897    | 258,897    | 258,897     | 258,897     | 258,897     | 258,897     |
| 441,561    | 441,561    | 441,561    | 441,561    | 441,561    | 441,561     | 441,561     | 441,561     | 441,561     |
| 3,164,401  | 3,605,962  | 4,047,523  | 4,489,085  | 4,930,646  | 5,372,207   | 5,813,769   | 6,255,330   | 6,696,892   |
| 300,225    | 298,513    | 298,525    | 298,513    | 298,525    | 298,513     | 298,525     | 298,513     | 298,525     |
| 494,923    | 457,764    | 427,891    | 423,134    | 423,071    | 423,134     | 423,071     | 423,134     | 423,071     |
| 795,149    | 756,278    | 726,416    | 721,647    | 721,595    | 721,647     | 721,595     | 721,647     | 721,595     |
| 8,618,663  | 7,374,940  | 8,101,356  | 8,823,003  | 9,544,599  | 10,266,246  | 10,987,841  | 11,709,489  | 12,431,084  |
| 24,688     | 24,328     | 24,331     | 24,328     | 24,331     | 24,328      | 24,331      | 24,328      | 24,331      |
| 49,566     | 41,762     | 35,489     | 34,490     | 34,476     | 34,490      | 34,476      | 34,490      | 34,476      |
| 74,253     | 66,090     | 59,819     | 58,818     | 58,807     | 58,818      | 58,807      | 58,818      | 58,807      |
| (328,814)  | (353,143)  | (377,473)  | (401,802)  | (426,132)  | (450,461)   | (474,791)   | (499,120)   | (523,450)   |
| (396,581)  | (438,343)  | (473,831)  | (508,321)  | (542,798)  | (577,287)   | (611,764)   | (646,254)   | (680,730)   |
| (725,395)  | (791,485)  | (851,305)  | (910,123)  | (968,930)  | (1,027,748) | (1,086,555) | (1,145,373) | (1,204,180) |
| 12,284,614 | 11,776,962 | 11,275,581 | 10,775,202 | 10,274,833 | 9,774,454   | 9,274,085   | 8,773,706   | 8,273,338   |
| 12,284,614 | 11,776,962 | 11,275,581 | 10,775,202 | 10,274,833 | 9,774,454   | 9,274,085   | 8,773,706   | 8,273,338   |

| 2037        | 2038        | 2039        | 2040        |
|-------------|-------------|-------------|-------------|
| 16,174,410  | 16,174,410  | 16,174,410  | 16,174,410  |
| 6,691,000   | 6,691,000   | 6,691,000   | 6,691,000   |
| 9,483,410   | 9,483,410   | 9,483,410   | 9,483,410   |
| 16,174,410  | 16,174,410  | 16,174,410  | 16,174,410  |
| 182,664     | 182,664     | 182,664     | 182,664     |
| 258,897     | 258,897     | 258,897     | 258,897     |
| 441,561     | 441,561     | 441,561     | 441,561     |
| 7,138,453   | 7,580,014   | 8,021,576   | 8,463,137   |
| 298,513     | 298,525     | 298,513     | 211,447     |
| 423,134     | 423,071     | 423,134     | 423,071     |
| 721,647     | 721,595     | 721,647     | 634,517     |
| 13,152,731  | 13,874,326  | 14,595,974  | 15,230,491  |
| 24,328      | 24,331      | 24,328      | 6,044       |
| 34,490      | 34,476      | 34,490      | 34,476      |
| 58,818      | 58,807      | 58,818      | 40,521      |
| (547,779)   | (572,109)   | (596,438)   | (602,482)   |
| (715,220)   | (749,696)   | (784,186)   | (818,662)   |
| (1,262,998) | (1,321,806) | (1,380,624) | (1,421,144) |
| 7,772,958   | 7,272,590   | 6,772,210   | 6,290,128   |
| 7,772,958   | 7,272,590   | 6,772,210   | 6,290,128   |

53000022

Appalachian Power Company  
 Transmission RAC (T-RAC)  
 Case No. PUR-2022-00014  
 Schedule 46  
 CAPITAL STRUCTURE AND COST OF CAPITAL  
 AS OF DECEMBER 31, 2020

|                         | <u>Amount Outstanding</u> | <u>Percent</u><br>% | <u>Cost Rate</u><br>% | <u>Weighted Return<br/>Component</u><br>% |
|-------------------------|---------------------------|---------------------|-----------------------|---|
| Long-term Debt          | \$ 4,528,882,765          | 50.352%             | 4.708                 | 2.371                                     |
| Short-term Debt         | <u>\$ 122,361,523</u>     | <u>1.360%</u>       | 0.288                 | <u>0.004</u>                              |
| Total Debt              | \$ 4,651,244,288          |                     |                       | 2.374                                     |
| Common Stock            | \$ 4,343,239,916          | 48.288%             | 9.200                 | 4.442                                     |
| Investment Tax Credit   | <u>\$ -</u>               | <u>0.000%</u>       | 6.907                 | <u>-</u>                                  |
| Total                   | <u>\$ 8,994,484,204</u>   | <u>100.00%</u>      |                       |   |
| Overall Cost of Capital |                           |                     |                       | <u>6.817</u>                              |

NOTES:

Capital structure used to determine cost rate for Accumulated DITC:

|                         | <u>Amount<br/>Outstanding</u> | <u>Percent</u><br>% | <u>Cost<br/>Rate</u><br>% | <u>Weighted<br/>Return<br/>Component</u><br>% |
|-------------------------|-------------------------------|---------------------|---------------------------|---|
| Long-term Debt          | 4,528,882,765                 | 51.046%             | 4.708                     | 2.403   |
| Common Equity           | <u>4,343,239,916</u>          | <u>48.954%</u>      | 9.200                     | <u>4.504</u>                                  |
| Total                   | <u>8,872,122,681</u>          | <u>100.00%</u>      |                           |   |
| Overall Cost of Capital |                               |                     |                           | <u>6.907</u>                                  |

APPALACHIAN POWER COMPANY - VIRGINIA  
MANUFACTURING RATE ADJUSTMENT CLAUSE 17-04C  
Case No. PUR-9327-00014  
Schedule 46  
Minimum of Revenue Required to Customer Charges

[illegible]

Appalachian Power Company  
Case No. PUR-2022-00014  
T-RAC (T-RAC)  
Estimated Yearly Revenue Requirements by Class  
in \$000's

APCO Exhibit No. 1  
Witness RIV  
Schedule 46  
Sect 3 Simul 3- RAC Rev Dy Class  
Page 14 of 24

|           | Total | Non-Jurisdiction | Virginia Jurisdiction | RESIDENTIAL SERVICE | SMALL GENERAL SERVICE | MEDIAL GENERAL SERVICE | GENERAL SERVICE | LARGE POWER SERVICE | SANCTUARY WORKSHOP SERVICE | OUTDOOR LIGHTING SERVICE |
|-----------|-------|------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------|---------------------|----------------------------|--------------------------|
|           |       |                  |                       | RS                  | BGS                   | MGS                    | GS              | LPB                 | SWB                        | OL                       |
| Rate Year | \$    | \$38,748         | \$                    | 268,082             | \$                    | 289,565                | \$              | 18,648              | \$                         | 438                      |
| 2023      | \$    | 584,468          | \$                    | 371,157             | \$                    | 285,948                | \$              | 18,272              | \$                         | 421                      |
| 2024      | \$    | 735,584          | \$                    | 344,192             | \$                    | 229,518                | \$              | 13,149              | \$                         | 486                      |
| 2025      | \$    | 789,152          | \$                    | 368,038             | \$                    | 416,116                | \$              | 17,825              | \$                         | 494                      |
| 2026      | \$    | 829,380          | \$                    | 389,110             | \$                    | 448,261                | \$              | 18,738              | \$                         | 525                      |

\*Non-Jurisdiction Rate Year does not include under-recovery or distribution plan



APPLACANT POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (TRAC)  
Case No. PUR-2022-00014  
Schedule 45  
100 Revenue Requirements and Rate Design

APCO Envs: 10  
WVMSA 2027  
Schedule 45  
Set 2: 2-100  
Page 10 of 74

| Line No. | Line Item | Line Description | Category | Rate | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value |
|----------|-----------|------------------|----------|------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| 1        | 10        | 100 - 100        | 100      | 100  | 100       | 100       | 100        | 100       | 100       | 100        | 100       | 100       | 100        | 100       | 100       | 100        | 100       | 100       | 100        |
| 2        | 20        | 200 - 200        | 200      | 200  | 200       | 200       | 200        | 200       | 200       | 200        | 200       | 200       | 200        | 200       | 200       | 200        | 200       | 200       | 200        |
| 3        | 30        | 300 - 300        | 300      | 300  | 300       | 300       | 300        | 300       | 300       | 300        | 300       | 300       | 300        | 300       | 300       | 300        | 300       | 300       | 300        |
| 4        | 40        | 400 - 400        | 400      | 400  | 400       | 400       | 400        | 400       | 400       | 400        | 400       | 400       | 400        | 400       | 400       | 400        | 400       | 400       | 400        |
| 5        | 50        | 500 - 500        | 500      | 500  | 500       | 500       | 500        | 500       | 500       | 500        | 500       | 500       | 500        | 500       | 500       | 500        | 500       | 500       | 500        |
| 6        | 60        | 600 - 600        | 600      | 600  | 600       | 600       | 600        | 600       | 600       | 600        | 600       | 600       | 600        | 600       | 600       | 600        | 600       | 600       | 600        |
| 7        | 70        | 700 - 700        | 700      | 700  | 700       | 700       | 700        | 700       | 700       | 700        | 700       | 700       | 700        | 700       | 700       | 700        | 700       | 700       | 700        |
| 8        | 80        | 800 - 800        | 800      | 800  | 800       | 800       | 800        | 800       | 800       | 800        | 800       | 800       | 800        | 800       | 800       | 800        | 800       | 800       | 800        |
| 9        | 90        | 900 - 900        | 900      | 900  | 900       | 900       | 900        | 900       | 900       | 900        | 900       | 900       | 900        | 900       | 900       | 900        | 900       | 900       | 900        |
| 10       | 100       | 1000 - 1000      | 1000     | 1000 | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       |

Notes:  
Total CS-100 Sec (MCS) and CS-100 Pn (MCS) to calculate an event rate  
Company does not distinguish between secondary and primary for SCS class

| Line | Line Item | Line Description | Category | Rate | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value |
|------|-----------|------------------|----------|------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| 1    | 10        | 100 - 100        | 100      | 100  | 100       | 100       | 100        | 100       | 100       | 100        | 100       | 100       | 100        | 100       | 100       | 100        | 100       | 100       | 100        |
| 2    | 20        | 200 - 200        | 200      | 200  | 200       | 200       | 200        | 200       | 200       | 200        | 200       | 200       | 200        | 200       | 200       | 200        | 200       | 200       | 200        |
| 3    | 30        | 300 - 300        | 300      | 300  | 300       | 300       | 300        | 300       | 300       | 300        | 300       | 300       | 300        | 300       | 300       | 300        | 300       | 300       | 300        |
| 4    | 40        | 400 - 400        | 400      | 400  | 400       | 400       | 400        | 400       | 400       | 400        | 400       | 400       | 400        | 400       | 400       | 400        | 400       | 400       | 400        |
| 5    | 50        | 500 - 500        | 500      | 500  | 500       | 500       | 500        | 500       | 500       | 500        | 500       | 500       | 500        | 500       | 500       | 500        | 500       | 500       | 500        |
| 6    | 60        | 600 - 600        | 600      | 600  | 600       | 600       | 600        | 600       | 600       | 600        | 600       | 600       | 600        | 600       | 600       | 600        | 600       | 600       | 600        |
| 7    | 70        | 700 - 700        | 700      | 700  | 700       | 700       | 700        | 700       | 700       | 700        | 700       | 700       | 700        | 700       | 700       | 700        | 700       | 700       | 700        |
| 8    | 80        | 800 - 800        | 800      | 800  | 800       | 800       | 800        | 800       | 800       | 800        | 800       | 800       | 800        | 800       | 800       | 800        | 800       | 800       | 800        |
| 9    | 90        | 900 - 900        | 900      | 900  | 900       | 900       | 900        | 900       | 900       | 900        | 900       | 900       | 900        | 900       | 900       | 900        | 900       | 900       | 900        |
| 10   | 100       | 1000 - 1000      | 1000     | 1000 | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       | 1000      | 1000      | 1000       |

CS-100 and CS-100 Primary Rate was developed by adding the existing rates to match the CS Class Allocation Revenue.

| Rate   | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value |
|--------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| CS-100 | CS-100    | CS-100    | CS-100     | CS-100    | CS-100    | CS-100     | CS-100    | CS-100    | CS-100     |
| CS-100 | CS-100    | CS-100    | CS-100     | CS-100    | CS-100    | CS-100     | CS-100    | CS-100    | CS-100     |
| CS-100 | CS-100    | CS-100    | CS-100     | CS-100    | CS-100    | CS-100     | CS-100    | CS-100    | CS-100     |

Notes: Business Rate Categories:

| Rate     | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value | Rate Type | Rate Unit | Rate Value |
|----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Business | Business  | Business  | Business   | Business  | Business  | Business   | Business  | Business  | Business   |
| Business | Business  | Business  | Business   | Business  | Business  | Business   | Business  | Business  | Business   |
| Business | Business  | Business  | Business   | Business  | Business  | Business   | Business  | Business  | Business   |

[illegible]

| Line No. | Item Description                    | Secondary Rates                     |                                     |                         |                 | Primary Rates          |                         |                 |                        | Total Factors           |                 |                        |                         |
|----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------|-----------------|------------------------|-------------------------|-----------------|------------------------|-------------------------|-----------------|------------------------|-------------------------|
|          |                                     | Charging Level Factors <sup>1</sup> | Under Recovery Factors <sup>2</sup> | Total Factors           |                 | Charging Level Factors | Under Recovery Factors  | Total Factors   |                        |                         |                 |                        |                         |
|          |                                     | Energy - \$/KWH                     | On-Peak Demand - \$/KW              | Off-Peak Demand - \$/KW | Energy - \$/KWH | On-Peak Demand - \$/KW | Off-Peak Demand - \$/KW | Energy - \$/KWH | On-Peak Demand - \$/KW | Off-Peak Demand - \$/KW | Energy - \$/KWH | On-Peak Demand - \$/KW | Off-Peak Demand - \$/KW |
| 12       | Freelanced Service                  | \$ 0.03443                          |                                     |                         | \$ 0.0443       |                        |                         |                 |                        |                         |                 |                        |                         |
| 13       | Secondary Voltage Service           | \$ 0.04061                          |                                     |                         | \$ 0.0493       |                        |                         |                 |                        |                         |                 |                        |                         |
| 14       | Fixed General Service <sup>3</sup>  | \$ 0.07523                          |                                     |                         | \$ 0.0923       |                        |                         |                 |                        |                         |                 |                        |                         |
| 15       | Medium General Service <sup>4</sup> | \$ 0.07332                          | 1.70                                |                         | \$ 0.02333      | 1.70                   | 0.87                    |                 |                        |                         |                 |                        |                         |
| 16       | Small General Service <sup>5</sup>  | \$ -                                |                                     |                         | \$ -            |                        |                         |                 |                        |                         |                 |                        |                         |
| 17       | Large General Service <sup>6</sup>  | \$ -                                |                                     |                         | \$ -            |                        |                         |                 |                        |                         |                 |                        |                         |
| 18       | Large Power Service <sup>7</sup>    | \$ 0.11                             |                                     |                         | \$ 0.11         |                        | 0.49                    |                 |                        |                         |                 |                        |                         |
| 19       | Other Lighting                      | \$ 0.05595                          |                                     |                         | \$ 0.00395      |                        |                         |                 |                        |                         |                 |                        |                         |
| 20       | General Service - Block 1           | \$ 0.02317                          | 1.70                                |                         | \$ 0.03333      | 1.70                   | 0.87                    |                 |                        |                         |                 |                        |                         |

[illegible]

### OFF PEAK EXCESS DEMAND REVENUE REQUIREMENTS

[illegible]

Customer: more and more and between themselves, and women for 30% more (I read about how) women. It's not just about the fact that each customer here today is the woman in the

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For MCS (H) & (E) (D)

(P3 05-0170)

Университет имени Ломоносова

**Unter, Besondere, Keine, Selbst, 1200;**







APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
Case No. PUR-2022-00014  
Schedule 40  
Revenue Proof

APCO Exhibit No. \_\_\_\_\_  
Witness KTW  
Schedule 40  
Sect 4 Sub 4- RevProof  
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| Line No | Tariff Code          | Tariff Description         | Proposed       |            |                 |             |             |                 |               |               |               |                | Total Target Revenue | Over / (Under) |
|---------|----------------------|----------------------------|----------------|------------|-----------------|-------------|-------------|-----------------|---------------|---------------|---------------|----------------|----------------------|----------------|
|         |                      |                            | KWH            | KW         | Off-Peak Excess | Energy Rate | Demand Rate | Off-Peak Excess | Total Revenue | Class Total   | Cost Study    | Under Recovery |                      |                |
| 1       | 11                   | RS-LMYH                    | 2,868,550      | N/A        | N/A             | \$0.03443   |             |                 | \$98,609      | \$209,533,064 | \$208,545,318 | \$0            | \$209,545,318        | -372,284       |
| 2       | 15                   | RS                         | 0,927,106,835  | N/A        | N/A             | \$0.03443   |             |                 | \$207,315,347 |               |               |                |                      |                |
| 3       | 20                   | RS EAP                     | 23,894,092     | N/A        | N/A             | \$0.03443   |             |                 | \$822,874     |               |               |                |                      |                |
| 4       | 30                   | RS-TOD - On peak           | 1,097,141      | N/A        | N/A             | \$0.07845   |             |                 | \$86,071      |               |               |                |                      |                |
| 5       | 30                   | RS-TOD - Off peak          | 1,090,003      | N/A        | N/A             | \$0.00569   |             |                 | \$11,374      |               |               |                |                      |                |
| 6       | 51                   | RS-LMYH                    | 26,124         | N/A        | N/A             | \$0.03443   |             |                 | \$699         |               |               |                |                      |                |
| 7       | 003                  | 8500 L, 175 W              | 18,021,096     | N/A        | N/A             | \$0.00595   |             |                 | \$107,226     | \$435,940     | \$435,746     | \$0            | \$435,746            | -3208          |
| 8       | 004                  | 9500 L, 100 W              | 12,104,138     | N/A        | N/A             | \$0.00595   |             |                 | \$72,020      |               |               |                |                      |                |
| 9       | 005                  | 23000 L, 400 W             | 3,033,684      | N/A        | N/A             | \$0.00595   |             |                 | \$21,622      |               |               |                |                      |                |
| 10      | 006                  | 13000 L, 250 W             | 10,636         | N/A        | N/A             | \$0.00595   |             |                 | \$100         |               |               |                |                      |                |
| 11      | 007                  | 22000 L, 500 W             | 4,318,670      | N/A        | N/A             | \$0.00595   |             |                 | \$25,697      |               |               |                |                      |                |
| 12      | 008                  | 50000 L, 400 W             | 8,865,624      | N/A        | N/A             | \$0.00595   |             |                 | \$52,966      |               |               |                |                      |                |
| 13      | 009                  | 8500 L, 175 W              | 1,371,183      | N/A        | N/A             | \$0.00595   |             |                 | \$1,061       |               |               |                |                      |                |
| 14      | 102                  | 36000 Lumen, 400 W Flood   | 10,003,508     | N/A        | N/A             | \$0.00595   |             |                 | \$60,876      |               |               |                |                      |                |
| 15      | 103                  | 28500 L, 250 W S0          | 1,260,683      | N/A        | N/A             | \$0.00595   |             |                 | \$7,539       |               |               |                |                      |                |
| 16      | 104                  | 50000 Lumen, 400 W         | 561,817        | N/A        | N/A             | \$0.00595   |             |                 | \$13,402      |               |               |                |                      |                |
| 17      | 105                  | 36000 Lumen, 400 W         | 1,869,302      | N/A        | N/A             | \$0.00595   |             |                 | \$11,123      |               |               |                |                      |                |
| 18      | 106                  | 43000 L, 70 W              | 30,413         | N/A        | N/A             | \$0.00595   |             |                 | \$182         |               |               |                |                      |                |
| 19      | 109                  | 50000 L, 400 W Flood       | 3,292,323      | N/A        | N/A             | \$0.00595   |             |                 | \$19,591      |               |               |                |                      |                |
| 20      | 111                  | 9500 L, 100 W              | 1,237,731      | N/A        | N/A             | \$0.00595   |             |                 | \$7,463       |               |               |                |                      |                |
| 21      | 113                  | 28500 P1SV, 250 W          | 485,571        | N/A        | N/A             | \$0.00595   |             |                 | \$2,170       |               |               |                |                      |                |
| 22      | 117                  | 6600 LUMEN                 | 968            | N/A        | N/A             | \$0.00595   |             |                 | \$30          |               |               |                |                      |                |
| 23      | 118                  | 22000 LUMEN                | 24,228         | N/A        | N/A             | \$0.00595   |             |                 | \$145         |               |               |                |                      |                |
| 24      | 119                  | 50000 LUMEN                | 25,413         | N/A        | N/A             | \$0.00595   |             |                 | \$151         |               |               |                |                      |                |
| 25      | 124                  | 50000 Lumen, 400 W Flood   | 578,835        | N/A        | N/A             | \$0.00595   |             |                 | \$3,431       |               |               |                |                      |                |
| 26      | 126                  | 36000 Lumen, 400 W Flood   | 793,751        | N/A        | N/A             | \$0.00595   |             |                 | \$4,723       |               |               |                |                      |                |
| 27      | 127                  | 28500 L, 250 W Flood       | 411,031        | N/A        | N/A             | \$0.00595   |             |                 | \$2,446       |               |               |                |                      |                |
| 28      | 131                  | 110000 Lumen, 1000 W Flood | 2,436,474      | N/A        | N/A             | \$0.00595   |             |                 | \$14,616      |               |               |                |                      |                |
| 29      | 132                  | 110000 Lumen, 1000 W Flood | 215,803        | N/A        | N/A             | \$0.00595   |             |                 | \$1,284       |               |               |                |                      |                |
| 30      | 134                  | 13000 Lumen, 175 W Flood   | 30,490         | N/A        | N/A             | \$0.00595   |             |                 | \$181         |               |               |                |                      |                |
| 31      | 135                  | 13000 Lumen, 175 W Flood   | 2,643          | N/A        | N/A             | \$0.00595   |             |                 | \$18          |               |               |                |                      |                |
| 32      | 136                  | 13001 Lumen, 150W Flood    | 448,482        | N/A        | N/A             | \$0.00595   |             |                 | \$2,657       |               |               |                |                      |                |
| 33      | 137                  | 13002 Lumen, 150 W Flood   | 180,904        | N/A        | N/A             | \$0.00595   |             |                 | \$1,076       |               |               |                |                      |                |
| 34      | 142                  | 22000 LUMEN                | 65,597         | N/A        | N/A             | \$0.00595   |             |                 | \$392         |               |               |                |                      |                |
| 35      | 213                  | SGS LUMTRD                 | 754,101        | N/A        | N/A             | \$0.02823   |             |                 | \$21,201      | \$15,671,031  | \$15,667,629  | \$0            | \$15,667,629         | \$3,401        |
| 36      | 225                  | SGS-LUMTRD On peak         | 7,735          | N/A        | N/A             | \$0.02823   |             |                 | \$448         |               |               |                |                      |                |
| 37      | 231                  | 233, 201                   | 14,110         | N/A        | N/A             | \$0.00000   |             |                 | \$71          |               |               |                |                      |                |
| 38      | 234                  | SGS PRI                    | 532,600,522    | N/A        | N/A             | \$0.02823   |             |                 | \$15,005,550  |               |               |                |                      |                |
| 39      | 234                  | SGS PRI                    | 1,540,060      | N/A        | N/A             | \$0.02823   |             |                 | \$43,062      |               |               |                |                      |                |
| 39      | 215                  | MQS SEC                    | 364,194,410    | 1,905,252  | 471             | \$0.02332   | \$1.70      | \$0.67          | \$11,885,150  | GSMSGS        | GSMSGS        |                | CGMSGS               |                |
| 40      | 217                  | MQS PRI                    | 29,039,016     | 181,193    | 457             | \$0.02224   | \$1.65      | \$0.65          | \$945,283     |               |               |                |                      |                |
| 41      | 227                  | QS-TOD Ph - On peak        | 0              | N/A        | N/A             | \$0.05297   |             |                 | \$0           |               |               |                |                      |                |
| 42      | 227                  | QS-TOD Ph - Off peak       | 0              | N/A        | N/A             | \$0.00487   |             |                 | \$0           |               |               |                |                      |                |
| 43      | 229                  | QS-TOD SEC - On peak       | 13,501,022     | N/A        | N/A             | \$0.05555   |             |                 | \$749,887     |               |               |                |                      |                |
| 44      | 229                  | QS-TOD SEC - Off peak      | 20,739,342     | N/A        | N/A             | \$0.00490   |             |                 | \$101,824     |               |               |                |                      |                |
| 45      | 337                  | LGS-TOD SEC - On peak      | 12,718,195     | 106,950    |                 | \$0.05555   |             |                 | \$563,429     |               |               |                |                      |                |
| 46      | 337                  | LGS-TOD SEC - Off peak     | 15,727,290     |            |                 | \$0.00490   |             |                 | \$77,084      |               |               |                |                      |                |
| 47      | 338                  | LGS-TOD Ph - On peak       | 0              |            |                 | \$0.05297   |             |                 | \$0           |               |               |                |                      |                |
| 48      | 338                  | LGS-TOD Ph - Off peak      | 0              |            |                 | \$0.00487   |             |                 | \$0           |               |               |                |                      |                |
| 49      | 236                  | MQS SUB                    | 1,859,749      | 9,028      | 82              | \$0.02115   | \$1.64      | \$0.64          | \$37,620      |               |               |                |                      |                |
| 49      | 239                  | MQS TRAN                   | 851,950        | 8,474      | 0               | \$0.02118   | \$1.61      | \$0.63          | \$32,176      |               |               |                |                      |                |
| 43      | 261                  | QS SEC Block 1             | 1,355,307,743  | 5,678,513  | 7,531           | \$0.02332   | \$1.70      | \$0.67          | \$49,240,000  |               |               |                |                      |                |
| 43      |                      | Block 2                    | 859,382,145    |            |                 | \$0.00749   |             |                 | \$2,070,849   |               |               |                |                      |                |
| 44      | 263                  | QS PRI Block 1             | 116,260,447    | 448,051    | 850             | \$0.02734   | \$1.65      | \$0.65          | \$2,370,098   |               |               |                |                      |                |
| 44      |                      | Block 2                    | 68,438,777     |            |                 | \$0.00733   |             |                 | \$501,636     |               |               |                |                      |                |
| 45      | 265                  | QS SUB Block 1             | 5,581,792      | 22,717     | 294             | \$0.02215   | \$1.64      | \$0.64          | \$159,810     |               |               |                |                      |                |
| 45      |                      | Block 2                    | 1,650,857      |            |                 | \$0.00730   |             |                 | \$12,061      |               |               |                |                      |                |
| 46      | 267                  | QS TRAN Block 1            | 0              |            |                 | \$0.02118   | \$1.61      | \$0.63          | \$0           |               |               |                |                      |                |
| 46      |                      | Block 2                    | 0              |            |                 | \$0.00718   |             |                 | \$0           |               |               |                |                      |                |
| 47      | 272                  | SVRS                       | 28,696,343     | N/A        | N/A             | \$0.04093   |             |                 | \$1,174,541   | \$1,174,541   | \$1,174,680   | \$0            | \$1,174,680          | -\$110         |
| 48      | 302                  | LPS SEC                    | 290,380,851    | 602,607    | 2,005           | \$0.00000   | \$9.31      | \$0.00          | \$5,792,594   |               |               |                |                      |                |
| 49      | 306                  | LPS PRI                    | 2,119,641,150  | 3,894,635  | 49,831          | \$0.00000   | \$9.25      | \$0.02          | \$36,305,296  | \$78,453,206  | \$78,440,014  | \$0            | \$78,440,014         | \$13,282       |
| 50      | 308, 309             | LPS/TOD SUB                | 1,452,336,362  | 2,886,234  | 87,533          | \$0.00000   | \$9.25      | \$0.02          | \$27,722,157  |               |               |                |                      |                |
| 51      | 310                  | LPS TRAN                   | 547,393,724    | 940,516    | 21,878          | \$0.00000   | \$9.15      | \$0.01          | \$6,033,150   |               |               |                |                      |                |
| 53      | 316, 340             | LGS SEC                    | 0              | 0          | 0               | \$0.00000   | \$0.00      | \$0.00          | \$0           | \$0           | \$0           | \$0            | \$0                  | \$0            |
| 53      | 319, 331             | LGS PRI                    | 0              | 0          | 0               | \$0.00000   | \$0.00      | \$0.00          | \$0           | \$0           | \$0           | \$0            | \$0                  | \$0            |
| 54      | 342                  | LGS SUB                    | 0              | 0          | 0               | \$0.00000   | \$0.00      | \$0.00          | \$0           | \$0           | \$0           | \$0            | \$0                  | \$0            |
| 55      | 346                  | LGS TRAN                   | 0              | 0          | 0               | \$0.00000   | \$0.00      | \$0.00          | \$0           | \$0           | \$0           | \$0            | \$0                  | \$0            |
| 55      | Total of Line (1-55) |                            | 12,846,197,970 | 19,282,660 | 178,810         |             |             |                 | \$369,098,872 | \$369,098,872 | \$369,091,649 | \$0            | \$369,091,649        | -\$7,223       |
| 56      | Total Target Revenue |                            |                |            |                 |             |             |                 | 368,081,640   |               |               |                |                      |                |
| 56      | Over / (Under) =     |                            |                |            |                 |             |             |                 | (14,777)      |               |               |                |                      |                |

APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
Case No. PUR 2022-00014  
Schedule 46  
Tariff

APCO Exhibit No. \_\_\_\_\_  
Worksheet Title  
Schedule 46  
Section 4.5 and 4.6 Tariff  
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| Standard<br>Applicable Power Company<br>Summary of Demand and Energy Rates |                     |                         |                        |                                 |
|--|---------------------|-------------------------|------------------------|---------------------------------|
|  | Differenced<br>Rate | Energy T-RAC<br>per kWh | Demand T-RAC<br>per kW | T-RAC Per MW-Peak<br>Season kWh |
| Residual (01121) (11614) (010020) (1034)                                   |                     | 0.01441                 |                        |                                 |
| Residual - (11614) (010020) (1034)   | On-Peak             | 0.07845                 |                        |                                 |
|  | Off-Peak            | 0.00399                 |                        |                                 |
| SGS (1112112) (1121121)  |                     | 0.04091                 |                        |                                 |
| SGS (1112112) (1121121)  |                     | 0.02821                 |                        |                                 |
| SGS - (1112112) (1121121)  | On-Peak             | 0.03787                 |                        |                                 |
|  | Off-Peak            | 0.00301                 |                        |                                 |
| AKN - Secondary (1211)   |                     | 0.07112                 | \$1.29                 | \$0.67                          |
| (1112112) Secondary (1211212)  | On-Peak             | 0.03355                 |                        |                                 |
|  | Off-Peak            | 0.00190                 |                        |                                 |
| AKN - Primary (1212)   |                     | 0.02224                 | \$1.61                 | \$0.65                          |
| GS - (1112112) Primary (1212)  | On-Peak             | 0.03291                 |                        |                                 |
|  | Off-Peak            | 0.00467                 |                        |                                 |
| AKN - Subtransmission (1213)   |                     | 0.02215                 | \$1.64                 | \$0.64                          |
| AKN - Transmission (1213)  |                     | 0.02178                 | \$1.61                 | \$0.61                          |
| GS - Secondary (1211)  | Block 1             | 0.02112                 | \$1.29                 | \$0.67                          |
|  | Block 2             | 0.00769                 |                        |                                 |
| GS - Primary (1211)  | Block 1             | 0.02224                 | \$1.65                 | \$0.65                          |
|  | Block 2             | 0.00711                 |                        |                                 |
| GS - Subtransmission (1213)  | Block 1             | 0.02215                 |                        |                                 |
|  | Block 2             | 0.00710                 | \$1.64                 | \$0.64                          |
| GS - Transmission (1213)   | Block 1             | 0.02178                 | \$1.61                 | \$0.61                          |
|  | Block 2             | 0.00718                 |                        |                                 |
| IPS - (1112112) Secondary (1212)   | On-Peak             | 0.00355                 |                        |                                 |
|  | Off-Peak            | 0.00490                 |                        |                                 |
| IPS - (1112112) Primary (1212)   | On-Peak             | 0.03207                 |                        |                                 |
|  | Off-Peak            | 0.00467                 |                        |                                 |
| IPS - Secondary (1212)   |                     | 0.00700                 | \$0.64                 | \$0.64                          |
| IPS - Primary (1212)   |                     | 0.00900                 | \$0.71                 | \$0.71                          |
| IPS - Subtransmission (1213) (1213)  |                     | 0.00900                 | \$0.71                 | \$0.71                          |
| IPS - Transmission (1213) (1213)   |                     | 0.00900                 | \$0.71                 | \$0.71                          |
| (1112112) (1213)   |                     | 0.00975                 |                        |                                 |

| FRR-QAD<br>Applicable Power Company<br>Summary of Demand and Energy Rates |                     |                         |                        |                                 |
|---|---------------------|-------------------------|------------------------|---------------------------------|
|   | Differenced<br>Rate | Energy T-RAC<br>per kWh | Demand T-RAC<br>per kW | T-RAC Per MW-Peak<br>Season kWh |
| SGS - (1112112) (1121121) (1211212)                                       |                     | 0.01441                 |                        |                                 |
| AKN - Secondary (1211)  |                     | 0.02112                 | \$1.29                 | \$0.67                          |
| AKN - Primary (1212)  |                     | 0.02224                 | \$1.65                 | \$0.65                          |
| AKN - Subtransmission (1213)  |                     | 0.02215                 | \$1.64                 | \$0.64                          |
| AKN - Transmission (1213)   |                     | 0.02178                 | \$1.61                 | \$0.61                          |
| GS - Secondary (1211)   | Block 1             | 0.02112                 | \$1.29                 | \$0.67                          |
|   | Block 2             | 0.00769                 |                        |                                 |
| GS - Primary (1211)   | Block 1             | 0.02224                 | \$1.65                 | \$0.65                          |
|   | Block 2             | 0.00711                 |                        |                                 |
| GS - Subtransmission (1213)   | Block 1             | 0.02215                 |                        |                                 |
|   | Block 2             | 0.00710                 | \$1.64                 | \$0.64                          |
| GS - Transmission (1213)  | Block 1             | 0.02178                 | \$1.61                 | \$0.61                          |
|   | Block 2             | 0.00718                 |                        |                                 |
| IPS - Secondary (1212)  |                     | 0.00700                 | \$0.61                 | \$0.61                          |
| IPS - Primary (1212)  |                     | 0.00900                 | \$0.71                 | \$0.71                          |
| IPS - Subtransmission (1213) (1213)                                       |                     | 0.00900                 | \$0.71                 | \$0.71                          |
| IPS - Transmission (1213) (1213)  |                     | 0.00900                 | \$0.71                 | \$0.71                          |

| Line No. | Tariff Code | Tariff Description | Billing Data Summary |            | Unit          | Unit Price |               | Unit Price |               | Unit Price |               | Unit Price |               |
|----------|-------------|--------------------|----------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
|          |             |                    | (A)                  | (B)        |               | (C)        | (D)           | (E)        | (F)           | (G)        | (H)           | (I)        | (J)           |
|          |             |                    | Grand Total          |            |               | Excess     | Demand        | Excess     | Demand        | Excess     | Demand        | Excess     | Demand        |
| 1        | 11          | 12                 | 13                   | 14         | 15            | 16         | 17            | 18         | 19            | 20         | 21            | 22         | 23            |
| 2        | 15          | 15                 | 15                   | 15         | 15            | 15         | 15            | 15         | 15            | 15         | 15            | 15         | 15            |
| 3        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 4        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 5        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 6        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 7        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 8        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 9        | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 10       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 11       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 12       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 13       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 14       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 15       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 16       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 17       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 18       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 19       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 20       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 21       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 22       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 23       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 24       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 25       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 26       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 27       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 28       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 29       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 30       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 31       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 32       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 33       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 34       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 35       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 36       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 37       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 38       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 39       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 40       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 41       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 42       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 43       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 44       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 45       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 46       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 47       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 48       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 49       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 50       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 51       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 52       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 53       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 54       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 55       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 56       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 57       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 58       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 59       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| 60       | 20          | 20                 | 20                   | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            | 20         | 20            |
| Total    |             |                    | 13,962,117.00        | 10,721,646 | 13,962,117.00 | 10,721,646 | 13,962,117.00 | 10,721,646 | 13,962,117.00 | 10,721,646 | 13,962,117.00 | 10,721,646 | 13,962,117.00 |

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Line Factor per 2020 Transmission



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APPALACHIAN POWER COMPANY - VIRGINIA  
TRANSMISSION RATE ADJUSTMENT CLAUSE (T-RAC)  
Case No. PUR-2022-00014  
Rate Design Billing Determinants - TOD Classes

APCO Exhibit No. \_\_\_\_\_  
Witness KIW  
Schedule 46  
Sect 4 Strnt 6- Bilt Detm TOD  
Page 24 of 24

| Line No. | Tariff Code            | Tariff Description | Billing Determinants      |            |           |             |                                 | (E) = (A) * (C) | (F) = (B) * (D) |
|----------|------------------------|--------------------|---------------------------|------------|-----------|-------------|---------------------------------|-----------------|-----------------|
|          |                        |                    | 2020 Triennial Filing     |            |           | Loss Factor | Units @ Secondary Voltage Level |                 |                 |
|          |                        |                    | Growth & Weather Adjusted |            |           |             |                                 |                 |                 |
|          |                        |                    | On-Peak                   | Off-Peak   | Demand kW | Energy      | On-Peak                         | Off-Peak        |                 |
| 1        | 30                     | RS-TOD             | 1,097,141                 | 1,999,003  | N/A       | 1.00000     | 1,097,141                       | 1,999,003       |                 |
| 2        | 225                    | SGS-LMTOD          | 7,735                     | 14,118     | N/A       | 1.00000     | 7,735                           | 14,118          |                 |
| 3        | 227                    | GS-TOD PRI         | 0                         | 0          | N/A       | 0.95358     | 0                               | 0               |                 |
| 4        | 229                    | GS-TOD SEC         | 13,501,022                | 20,739,542 | N/A       | 1.00000     | 13,501,022                      | 20,739,542      |                 |
| 5        | 337                    | LGS-TOD SEC        | 10,718,795                | 15,727,290 | 108,950   | 1.00000     | 10,718,795                      | 15,727,290      |                 |
| 6        | 339                    | LGS-TOD PRI        | 0                         | 0          | 0         | 0.95358     | 0                               | 0               |                 |
| 7        | Total KWH (Line 1 - 6) |                    | 25,324,693                | 38,479,953 |           |             | 25,324,693                      | 38,479,953      |                 |

Notes

<sup>1</sup> Loss factor per 2020 Triennial Filing

2022-00014

| DocId      | Order Date | Originally Provided in Case: | Link to PERC Ruling |
|------------|------------|------------------------------|---------------------|
| (R20-1162) | 10/11/2010 | PUR-2011-00018               |                     |
| (R20-1013) | 8/17/2010  | PUR-2011-00018               |                     |
| (R20-1183) | 8/17/2010  | PUR-2011-00018               |                     |
| (R20-1134) | 1-29-2010  | PUR-2011-00018               |                     |
| (R20-1150) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1202) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-262)  | 7/12-2010  | PUR-2011-00018               |                     |
| (R20-1200) | 1/12/2010  | PUR-2011-00018               |                     |
| (R20-1181) | 4/11/2010  | PUR-2011-00018               |                     |
| (R20-1172) | 3/11-2010  | PUR-2011-00018               |                     |
| (R20-1176) | 1/12/2010  | PUR-2011-00018               |                     |
| (R20-1177) | 1/12/2010  | PUR-2011-00018               |                     |
| (R20-1178) | 8/7-2010   | PUR-2011-00018               |                     |
| (R20-1179) | 8/7-2010   | PUR-2011-00018               |                     |
| (R20-1180) | 1/10/2010  | PUR-2011-00018               |                     |
| (R20-1181) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1182) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1183) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1184) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1185) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1186) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1187) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1188) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1189) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1190) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1191) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1192) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1193) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1194) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1195) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1196) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1197) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1198) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1199) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1200) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1201) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1202) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1203) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1204) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1205) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1206) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1207) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1208) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1209) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1210) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1211) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1212) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1213) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1214) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1215) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1216) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1217) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1218) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1219) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1220) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1221) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1222) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1223) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1224) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1225) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1226) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1227) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1228) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1229) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1230) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1231) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1232) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1233) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1234) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1235) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1236) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1237) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1238) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1239) | 1/11/2010  | PUR-2011-00018               |                     |
| (R20-1240) | 1/11/2010  | PUR-2011-00018               |                     |

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Docket or case number and Federal Energy Regulatory Commission rating approving the wholesale transmission formula, rate, or cost for which the applicant is seeking recovery approval

| Order No.  | Order Date                  | Originally Provided in Case: | Link to FERC Rating                 |
|--|-----------------------------|------------------------------|-------------------------------------|
| (112-1)  | 1/14/2014                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| (115-1912)   | 7/17/2015                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| (122-183)  | 1/20/2017                   |                              | <a href="#">Link to FERC Rating</a> |
| (121-1450)   | 1/11/2011                   |                              | <a href="#">Link to FERC Rating</a> |
| <b>W-24, East Kentucky Power Cooperative, Inc.</b>       |                             |                              |                                     |
| (11-1177)  | 1/27/2011                   | Put 2011-00018               | <a href="#">Link to FERC Rating</a> |
| <b>W-26, Transmission &amp; West Virginia</b>            |                             |                              |                                     |
| (115-1114)   | 9/1/2015                    | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| (115-1114)   | 1/14/2017                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| (120-2582)   |                             |                              | <a href="#">Link to FERC Rating</a> |
| <b>W-28, South Atlantic Interstate Transmission, LLC</b> |                             |                              |                                     |
| (117-214)  | 1/14/2017                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| (117-214)  | 1/14/2017                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| <b>W-29, Transmission &amp; Pennsylvania</b>             |                             |                              |                                     |
| (117-419)  | 1/11/2017                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| <b>W-30, Transmission &amp; Maryland</b>                 |                             |                              |                                     |
| (117-419)  | 1/11/2017                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| <b>W-31, Ohio Valley Electric Corporation</b>            |                             |                              |                                     |
| (118-419)  | 7/11/2018                   | Put 2011-00018               | <a href="#">Link to FERC Rating</a> |
| <b>W-32, Ameren</b>                                      |                             |                              |                                     |
| (119-261)  | 1/14/2018                   | Put 2011-00018               | <a href="#">Link to FERC Rating</a> |
| (120-2942)   | 10/30/2020                  |                              | <a href="#">Link to FERC Rating</a> |
| <b>Schedule 46/DOE</b>                                   |                             |                              |                                     |
| (111-4174)   | 9/26/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (109-1775)   | 1/11/2009                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (100-164)  | 1/21/2009                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (107-18)   | 1/11/2000                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (100-128)  | 1/11/2000                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (111-116)  | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (112-1095)   | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (111-1948)   | 4/20/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (110-491)  | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (110-478)  | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (107-19)   | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (118-541)  | 1/11/2011                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| (118-541)  | 1/11/2011                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| (117-249)  | 1/11/2011                   | Put 2011-00164               | <a href="#">Link to FERC Rating</a> |
| (118-1905)   | 1/11/2011                   |                              | <a href="#">Link to FERC Rating</a> |
| (121-274)  | 1/11/2011                   |                              | <a href="#">Link to FERC Rating</a> |
| (122-26)   | 1/11/2011                   |                              | <a href="#">Link to FERC Rating</a> |
| <b>Section 34</b>  |                             |                              |                                     |
| (101-11)   | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| <b>Order 1000 Compliance</b>                             |                             |                              |                                     |
| (111-188-000)  | 1/11/2011                   | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
|  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
|  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
|  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
|  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| (113-115-000)  | See (113-115-000) 1/11/2011 | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (113-80-000)   | See (113-115-000) 1/11/2011 | Put 2011-00111               | <a href="#">Link to FERC Rating</a> |
| (113-194)  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| (113-194)  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| (113-194)  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| (113-194)  | 1/11/2011                   | Put 2011-00066               | <a href="#">Link to FERC Rating</a> |
| <b>Other Billing Information</b>                         |                             |                              |                                     |
| <b>Rate Setting Guide</b>                                |                             |                              |                                     |
| <b>Rate Setting Guide</b>                                |                             |                              |                                     |