

SCHEDULE 7
Long-Term Firm and Short-Term Firm Point-To-Point
Transmission Service

1) The Transmission Customer shall pay each month for Reserved Capacity at the sum of the applicable charges set forth below for the Point of Delivery:

Summary of Charges
(in \$/kW)

Point of Delivery	Yearly Charge	Monthly Charge	Weekly Charge	Daily On-Peak ^{1/} Charge	Daily Off-Peak ^{2/} Charge
Border of PJM ^{3/}	Border Yearly Charge established pursuant to section 11 below	Yearly Charge /12	Yearly Charge /52	Weekly Charge /5	Weekly Charge /7
AE Zone	23.809	1.984	0.4580	0.0920	0.0650
BGE Zone	15.675	1.306	0.3010	0.0600	0.0430
Delmarva Zone	19.378	1.615	0.3730	0.0750	0.0530
JCPL Zone	15.112	1.259	0.2906	0.0581	0.0414
MetEd Zone	15.112	1.259	0.2906	0.0581	0.0414
Penelec Zone	15.112	1.259	0.2906	0.0581	0.0414
PECO Zone	26.264	2.189	0.5051	0.1010	0.0722
PPL Zone: Total charge is the sum of the components	PPL: * AEC: 0.463 UGI: *	PPL: * AEC: 0.039 UGI: *	PPL: * AEC: 0.0089 UGI: *	PPL: * AEC: 0.0018 UGI: *	PPL: * AEC: 0.0013 UGI: *

Point of Delivery	Yearly Charge	Monthly Charge	Weekly Charge	Daily On-Peak^{1/} Charge	Daily Off-Peak^{2/} Charge
Pepco Zone	20.999	1.750	0.4040	0.0810	0.0580
PSE&G Zone	23.696	1.975	0.4557	0.0911	0.0651
AP Zone	Rate Pursuant to Attachment H-11 and Attachment H-34	Rate Pursuant to Attachment H-11 and Attachment H-34	Rate Pursuant to Attachment H-11 and Attachment H-34	Rate Pursuant to Attachment H-11 and Attachment H-34	Rate Pursuant to Attachment H-11 and Attachment H-34
Rockland Zone	53.766	4.481	1.0340	0.2068	0.1477
ComEd Zone ^{4/}	^{5/}				
AEP East Zone ^{6/}	Rate Pursuant to Attachment H-14 and Attachment H-20	Rate Pursuant to Attachment H-14 and Attachment H-20	Rate Pursuant to Attachment H-14 and Attachment H-20	Rate Pursuant to Attachment H-14 and Attachment H-20	Rate Pursuant to Attachment H-14 and Attachment H-20
Dayton Zone	Rate Pursuant to Attachment H-15	Rate Pursuant to Attachment H-15	Rate Pursuant to Attachment H-15	Rate Pursuant to Attachment H-15	Rate Pursuant to Attachment H-15
Duquesne Zone	14.17	1.18	0.27	0.0540	0.0386
Dominion Zone ^{7/}					
ATSI Zone	Rate Pursuant to Attachment H-21	Rate Pursuant to Attachment H-21	Rate Pursuant to Attachment H-21	Rate Pursuant to Attachment H-21	Rate Pursuant to Attachment H-21
DEOK Zone	Rate Pursuant to Attachment H-22	Rate Pursuant to Attachment H-22	Rate Pursuant to Attachment H-22	Rate Pursuant to Attachment H-22	Rate Pursuant to Attachment H-22
EKPC Zone	Rate Pursuant to Attachment H-24	Rate Pursuant to Attachment H-24	Rate Pursuant to Attachment H-24	Rate Pursuant to Attachment H-24	Rate Pursuant to Attachment H-24

OVEC Zone	5.16	0.43	0.10	0.02	0.014
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* PPL Electric Utilities Corporation’s and UGI Utilities’ respective component of the total charge is posted on the PJM Internet website.

- 1/ Monday – Friday except the following holidays: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.
- 2/ Saturday and Sunday and the following holidays: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.
- 3/ The charge for Points of Delivery at the Border of PJM shall not apply to any Reserved Capacity with a Point of Delivery of the Midcontinent Independent Transmission System Operator, Inc.
- 4/ Each month, revenue credits will be applied to the gross charge in accordance with section 8 below to determine the actual charge to the Transmission Customer.
- 5/ The charges for the ComEd zone are posted on PJM’s website. In addition to other rates set forth in this schedule, customers within the ComEd zone shall be charged for recovery of RTO start-up costs at the following rates, each computed to four decimal places:

Annual Rate - \$/kW/year = \$1,523,039, divided by the 1 CP demand for the ComEd zone for the prior calendar year;

Monthly Rate - \$/kW/month. = Annual Rate divided by 12;

Weekly Rate - \$/kW/week = Annual Rate divided by 52;

Daily Rate - \$/kW/day = Weekly Rate divided by 5.

In order to ensure that the charge does not result in either an over-recovery or under-recovery of ComEd’s start-up costs, PJM will institute an annual true-up mechanism in the month of May of each of the years 2008-2014. In May of each of those years, PJM will compare the amount collected under this charge for the previous 12 months with the target annual amount of \$1,523,039 and calculate any credits or surcharges that would be needed to ensure that \$1,523,039 is collected for each year. Any credit or surcharge will be assessed in the June bills for years 2008-2014, consistent with the above methodology.

- 6/ The rates for firm point-to-point transmission service in the AEP Zone will be charged at the yearly, monthly, weekly or daily rate equivalent to the rate effective in such period under Attachments H-14 and H-20. In addition to other rates set forth in this schedule, customers within the AEP East Zone shall be charged for recovery of RTO start-up costs at the following rates, each computed to four decimal places:

Annual Rate - \$/kW/year = \$2,362,185, plus any applicable true-up adjustment, divided by the 1 CP demand for the AEP East Zone for the prior calendar year;

Monthly Rate - \$/kW/month. = Annual Rate divided by 12;

Weekly Rate - \$/kW/week = Annual Rate divided by 52;

Daily Rate - \$/kW/day = Weekly Rate divided by 5.

For the period November 1, 2005 through March 31, 2006, the rate shall be \$8.94/MW-month; for the period April 1 through December 31, 2006, the rate shall be \$8.60/MW-month, thereafter, the rate will be subject to the following true-up:

In order to ensure that the charge does not result in either over-recovery or under-recovery of AEP's start-up costs, PJM will institute an annual true-up mechanism and implement revised charges as of January 1st of each of the years 2007-2019. In January of each of those years, PJM will compare the amount collected under this charge for the previous year or part thereof with the target annual amount of \$2,362,185 and calculate the rates that would be needed, given the expected billing demands, to collect \$2,362,185, adjusted for any prior year over-collection or under-collection. In the final year that the rate is collected, PJM will calculate the rate to collect five-twelfths of the annual amount (\$984,244), plus or minus any prior year true up amount, by May 31 of that year, and shall charge such rate until that amount is collected, whether that date be before or after May 31, 2020.

7/ The service period charges rounded to four decimal places for the Dominion Zone are as follows:

Yearly Charge - \$/kW/year = the formula rate for Network Integration Transmission Service as described in Attachment H-16 and Attachment H-16A divided by 1000 kW/MW

Monthly Charge - \$/kW/month. = Yearly Charge divided by 12;

Weekly Charge - \$/kW/week = Yearly Charge divided by 52;

Daily On-Peak Charge - \$/kW/day = Weekly Charge divided by 5;

Daily Off-Peak Charge - \$/kW/day = Weekly Charge divided by 7.

On a monthly basis, revenue credits shall be calculated based on the sum of VEPCO's share of revenues collected during the month from Schedule 7 and Network Integration Transmission Service to Non-Zone Network Load under Attachment H-A. The sum of these revenue credits will appear as an adjustment to the to the gross monthly service period charges produced by the above formula.

2) The total demand charge in any week, pursuant to a reservation for Daily On-Peak Delivery, or Daily Off-Peak Delivery shall not exceed the Weekly Delivery rate specified in section (1) above for weekly service times the highest amount in kilowatts of Reserved Capacity and any additional transmission service, if any, in any day during such week.

- 3) **Discounts:** Three principal requirements apply to discounts for transmission service as follows: (1) any offer of a discount made by the Transmission Provider must be announced to all Eligible Customers solely by posting on the OASIS, (2) any customer-initiated requests for discounts (including requests for use by one's wholesale merchant or an Affiliate's use) must occur solely by posting on the OASIS, and (3) once a discount is negotiated, details must be immediately posted on the OASIS. For any discount agreed upon for service on a path, from point(s) of receipt to point(s) of delivery, the Transmission Provider must offer the same discounted transmission service rate for the same time period to all Eligible Customers on all unconstrained transmission paths that go to the same point(s) of delivery on the Transmission System.
- 4) **Congestion, Losses and Capacity Export:** In addition to any payment under this Schedule, the Transmission Customer shall pay Redispatch Costs as specified in Section 27 of the Tariff. The Transmission Customer shall be responsible for losses as specified in the Tariff. Any Transmission Customer that is a Capacity Export Transmission Customer, shall pay any applicable charges, and receive any applicable credits, for such a customer pursuant to Attachment DD.
- 5) **Other Supporting Facilities and Taxes:** In addition to the rates set forth in section (1) of this schedule, the Transmission Customer shall pay charges determined on a case-by-case basis for facilities necessary to provide Transmission Service at voltages lower than those shown in Attachment H for the applicable Zone(s) and any amounts necessary to reimburse PJMSettlement for any amounts payable as sales, excise, "Btu," carbon, value-added or similar taxes (other than taxes based upon or measured by net income) with respect to the amounts payable pursuant to the Tariff.
- 6) **[Reserved]**
- 7) **Transmission Enhancement Charges.** Except for Points of Delivery at the Border of PJM, which are subject to the Border Yearly Charge determined under section 11, in addition to the rates set forth in section (1) of this Schedule and any other applicable charges, the Transmission Customer shall also pay any Transmission Enhancement Charges for which it is designated as a Responsible Customer under Schedule 12 appended to the Tariff.
- 8) **Determination of monthly charges for ComEd Zone:** On a monthly basis, revenue credits shall be calculated based on the sum of ComEd's share of revenues collected during the month from: (i) the PJM Border Rate under Schedule 7; (ii) Network Integration Transmission Service to Non-Zone Network Load under Attachment H-A; (iii) Seams Elimination Charge/Cost Adjustment/Assignment ("SECA") revenues allocable to ComEd under the Tariff; and (iv) any Point-To-Point Transmission Service where the Point of Receipt and the Point of Delivery are both internal to the ComEd Zone. On this basis, the sum of these revenues will appear as a reduction to the gross monthly rate stated above on a Transmission Customer's bill in that month for service under this schedule.
- 9) **Determination of monthly charges for AEP Zone:** On a monthly basis, revenue credits shall be calculated based on the sum of AEP's share of revenues collected during the month from: (i) the PJM Border Rate under Schedule 7; (ii) Network Integration Transmission Service to Non-Zone Network Load under Attachment H-A; and (iii) Firm Point-To-Point Transmission Service where the Point of Delivery is internal to the AEP Zone. The sum of these revenue credits will appear as an adjustment (reduction) to the gross monthly rate stated above on a Transmission Customer's bill in that month for service under this schedule.

10) **Resales:** The rates and rules governing charges and discounts stated above shall not apply to resales of transmission service, compensation for which shall be governed by section 23.1 of the Tariff.

11) **Determining the Border Yearly Charge**

(A) Formula for Determining the Border Yearly Charge

(i) Beginning with the calendar year 2020, the Border Yearly Charge shall be based on the following formula:

$$\text{BYC} = \text{SHRR}/\text{SZPL}$$

Where:

BYC is the Border Yearly Charge stated in dollars per kW of Reserved Capacity;

SHRR is the sum of the Revenue Requirements for each Transmission Owner used to determine charges for Network Integration Transmission Service either (a) stated in Attachment H for a Transmission Owner or (b) determined pursuant to a formula rate set forth in Attachment H, both as adjusted in accordance with this section (11)(A).

SZPL is the sum of each Zone's annual peak load (in kW) plus the peak day firm reservations for Point-to-Point service at the Border of PJM (in kW) subject to the charges set forth in section (1) herein (prior to any applicable discount) from the most recently completed 12-month period ending October 31.

(ii) Where the Revenue Requirement of a Transmission Owner is determined pursuant to a formula rate:

(a) the Revenue Requirement shall be increased by the amount of any revenue included in the Transmission Owner's formula rate as credits in determining the Revenue Requirement for Network Integration Transmission Service from: (i) Transmission Enhancement Charges; (ii) Firm Point-to-Point Transmission Service charges under Schedule 7; or (iii) Network Integration Transmission Service to Non-Zone Network Load under Attachment H-A that are included in the Transmission Owner's formula rate as revenue credits in determining the Revenue Requirement for Network Integration Transmission Service, if such credits are identified in the Transmission Owner's formula rate annual update; and

(b) (I) the Revenue Requirement shall be reduced by the amount of any credit applied directly to Network Customers to offset the cost of Network Integration Transmission Service, including credits to Network Customers resulting from: (i) a Network Upgrade Funding Agreement, Tariff, Attachment O-2; (ii) a

State Agreement Public Policy Project subject to Tariff, Schedule 12, section (b)(xii)(B); (iii) agreements for transmission service entered into prior to a Transmission Owner signing the Consolidated Transmission Owners Agreement or any of its predecessor agreements or (iv) an entity executing an agreement by which such entity is obligated to pay for some, or all, of the Revenue Requirement of Transmission Facilities for which Network Customers would otherwise be responsible. (II) The Revenue Requirement for inclusion in the SHRR shall not be reduced by the amount of any credits for (i) Transmission Enhancement Charges; (ii) Firm Point-to-Point Transmission Service charges under this Schedule 7; or (iii) Network Integration Transmission Service to Non-Zone Network Load under Tariff, Attachment H-A.

(B) The Transmission Provider shall update the Border Yearly Charge annually based on the Revenue Requirements for each Transmission Owner used to determine charges for Network Integration Transmission Service in effect on January 1, provided that such Revenue Requirements were approved by FERC, stated in a formula rate update informational filing with FERC, or posted on the Transmission Provider's website no later than the preceding October 31. The Border Yearly Charge so updated shall become effective as of January 1 and remain in effect for the remainder of the calendar year. Except as provided in subsection (D) of this section (11), any change to the data used to determine the Border Yearly Charge following October 31, including any change in the number or identity of Transmission Owners filing Revenue Requirements for Network Integration Transmission Service under Attachment H, shall not be reflected in Border Yearly Charge until the next annual update.

(C) Not later than the first Business Day of December each year, the Transmission Provider shall post on the Transmission Provider's website a "BYC Workbook" that shall include (1) all of the inputs and calculations used to determine the Border Yearly Charge, (2) references to the sources of the inputs used to determine the Border Yearly Charge from each Transmission Owner's stated or formula rate filing or posting, (3) a variance report detailing all changes to the calculations, inputs, or procedures used to determine the proposed Border Yearly Charge as compared to the calculations, inputs or procedures used to determine the Border Yearly Charge then in effect, and (4) contact information for the submission of inquiries or comments regarding the posted BYC Workbook. All inputs used to determine the SHRR must be taken either from a stated Revenue Requirement for Network Integration Transmission Service specified in Attachment H or from an identified entry in a Transmission Owner's formula rate update either filed with the FERC or posted on the Transmission Provider's website for the rate for Network Integration Transmission Service that will be in effect on January 1.

(D) Procedure for Review of and Challenge to the Border Yearly Charge Determination.

(i) Review of the Border Yearly Charge Determination.

(a) Within sixty (60) days of the posting of the BYC Workbook, Interested Parties, including entities with existing, requested or planned transmission service reservations for service at the Border of PJM ("Border Rate Transmission Customers"), state utility regulatory commissions, consumer advocacy agencies, state attorneys general, and any entity having standing under Section 206 of the Federal Power Act ("Interested Party"), may submit reasonable information

requests to the Transmission Provider regarding its selection and use of inputs and the calculations performed in calculating the Border Yearly Charge, including the creation of the BYC Workbook, with respect to any adjustments made by the Transmission Provider, including adjustments made based on information provided by a Transmission Owner to the Transmission Provider: (1) to a Transmission Owner's Revenue Requirement for Network Integration Transmission Service prior to its inclusion as an input into the calculation of the SHRR for the Border Yearly Charge; (2) to the data used in determining SZPL; (3) to the Revenue Requirement of a Transmission Owner in determining the Border Yearly Charge made in accordance with Section (11)(A)(ii); and (4) in response to any FERC orders approving or requiring changes to, or refunds associated with, a Transmission Owner's formula rate or resulting annual Revenue Requirement.

(b) The Transmission Provider shall respond to such reasonable information requests as soon as practicable, but no later than within forty-five (45) days of the receipt of the information request, unless it determines that additional time is required to respond. The Transmission Provider shall post any information requests received and its responses thereto on the Transmission Provider's website, provided that any responsive information that has been designated by a Transmission Owner as confidential pursuant to the provisions of the Operating Agreement or Consolidated Transmission Owners Agreement shall not be posted and shall be handled solely in accordance with such provisions. An Interested Party may request a meeting with the Transmission Provider and any interested Transmission Owner to discuss any response to an information request or any dispute regarding the calculation of the Border Yearly Charge annual update. The Transmission Provider and any interested Transmission Owner shall exercise good faith in responding to an Interested Party's meeting request and shall not unreasonably deny or delay such meeting in a manner that prejudices an Interested Party's opportunity to timely review the Border Yearly Charge annual update.

(c) At any time after posting of the BYC Workbook, but before a challenge pursuant to section (11)(D)(ii) ("Challenge") is filed, at the request of an Interested Party, the Transmission Provider will be required to meet with the Interested Party within ten (10) Business Days of such request in an attempt to resolve any dispute regarding the calculation of the Border Yearly Charge raised by the Interested Party in its meeting request. If the dispute relates to information from one or more Transmission Owners' Tariff, Attachment H stated or formula rate or Zonal peak load determination, the relevant Transmission Owner(s) will be notified by the Transmission Provider of the dispute and will be permitted to attend the meeting.

(d) If it is determined that the Border Yearly Charge is based on an incorrect input or calculation or FERC directs that a Transmission Owner's Revenue Requirement, upon which the Border Yearly Charge is based, be changed and implemented as a change to the Transmission Owner's rate for Network Integration Transmission Service at a time other than provided for in the Transmission Owner's formula rate protocols ("Changed Revenue Requirement"), the Transmission Provider shall change the Border Yearly Charge as necessary to account for such Changed Revenue Requirement and post on the Transmission Provider's website a revised BYC Workbook documenting the changes to the Border Yearly Charge to incorporate the correction or change. The correction to the Border Yearly Charge shall take effect no later than the first day of the month that begins 30 days after a correction is posted by the Transmission Provider or, if the correction or Changed Revenue Requirement results from a FERC order, on a schedule consistent with that order. Subject to the notice of correction described above, to the extent permitted by Tariff, Part I, section 10.4, PJM Settlement, on behalf of itself or as agent for the Transmission Provider, shall adjust the charges to Border Rate Transmission Customers with respect to any

month prior to the effective date of the Changed Revenue Requirement being reflected in the Border Yearly Charge that is affected by the correction or Changed Revenue Requirement and refund or credit any amount paid in excess of the corrected Border Yearly Charge. Any correction under this subsection (D) shall be limited to any Changed Revenue Requirement and the Transmission Provider's selection and use of Border Yearly Charge inputs and the calculations necessary to determine the Border Yearly Charge. This section does not apply to a FERC order that changes a Transmission Owner's Revenue Requirement that is implemented through a true-up mechanism.

(e) If FERC issues an order directing or approving refunds associated with a Transmission Owner's Revenue Requirement that previously was, or currently is, incorporated into the SHRR to be paid to Network Integration Transmission Service customers, Border Rate Transmission Customers shall also receive a refund, to the extent that the changes in a Transmission Owner's Revenue Requirement upon which such refund is based affects the calculation of the Border Yearly Charge.

(f) Nothing in section (11) shall authorize an inquiry into the data or information filed or posted by a Transmission Owner as part of its transmission rate protocols pursuant to Tariff, Attachment H, or shall affect the rights that any Border Rate Transmission Customer may have under said protocols.

(ii) Challenge to the Border Yearly Charge Determination.

(a) An Interested Party may file with FERC a Challenge to the annual update of the Border Yearly Charge within ninety (90) days of the posting of the BYC Workbook or thirty (30) days of receiving a response to any information request it submitted under subsection (11)(D)(i)(a), whichever is later. Any such Challenge shall be served on Transmission Provider and each Transmission Owner with Revenue Requirements included in the BYC Workbook.

(b) A Challenge must specify and include adequate supporting documentation, detailing how the Transmission Provider's selection of inputs to or calculation of the Border Yearly Charge fails to comply with the provisions of this Schedule 7, section (11), identifying any input data or other BYC Workbook entry that is alleged to be missing or inaccurate or the Border Yearly Charge calculations alleged to be performed incorrectly.

(c) A Challenge must be limited to the Transmission Provider's selection and use of Border Yearly Charge inputs and the calculations necessary to determine the Border Yearly Charge and may not seek to modify Tariff, Schedules 7 and 8 or Attachment H-A or question the data or information filed or posted by a Transmission Owner pursuant to Tariff, Attachment H.

(d) The Transmission Provider and each Transmission Owner with Revenue Requirements included in the BYC Workbook shall have thirty (30) days to answer a Challenge.

(e) In any proceeding before the FERC in response to a Challenge, the Transmission Provider shall bear the burden, consistent with Section 205 of the FPA, of demonstrating that it has correctly applied the terms of this Schedule 7, section (11).

(E) When the Transmission Provider posts on its website a Border Yearly Charge annual update under subsection (C) or correction under subsection (D) of this section (11), it shall also make an informational filing with the FERC that includes such posting.

(F) A Transmission Customer taking Point-to-Point Transmission Service at the Border of PJM under this Schedule 7, including any discounted service pursuant to Section (3), is relieved from, and shall not be separately allocated or assigned Transmission Enhancement Charges under Schedule 12 §(c)(5) on the basis of its reservation of Firm Point-to-Point Transmission Service at the Border of PJM. Payment of the charges set forth in this Schedule does not relieve the responsibility of a Transmission Customer or Merchant Transmission Facility to pay Transmission Enhancement Charges assigned to such Merchant Transmission Facility, other than pursuant to Tariff, Schedule 12, §(c)(5), nor does it determine other cost obligations of Transmission Customers or Merchant Transmission Facilities that may be imposed under other provisions of the Tariff.

(G) Point-to-Point Transmission Service at the Border of PJM includes service to a Point of Delivery at a Merchant Transmission Facility that provides service to a neighboring transmission system.

(H) Customers taking Point-to-Point Transmission Service at the Border of PJM with a Point of Delivery at a Merchant Transmission Facility and not receiving a discount from the Border Yearly Charge pursuant to this Schedule 7, section (3) under the settlement entered into in FERC Docket No. ER19-2105, shall receive a credit determined in accordance with the following formula:

$$\text{MTFC} = \text{BYC} * \text{MTFTEC} / \text{SHRR}$$

Where:

MTFC is the credit to the Border Yearly Charge per kW of reserved capacity;

BYC is the Border Yearly Charge;

MTFTEC is the total annual Transmission Enhancement Charges under Tariff, Schedule 12 applicable to the Merchant Transmission Facility to which the customer is taking Point-to-Point Transmission Service during the current calendar year; and

SHRR is the amount determined pursuant to subsection (A) of this section (11).

The MTFC shall be credited on a monthly basis only for those months during which the customer takes Firm Point-to-Point Transmission Service to the Merchant Transmission Facility.