

Read only access

- If you already have an account in Account Manager, no further action is required
- If you do not have an account in Account Manager and your company is an active member of PJM
 - Go to PJM's Account Manager Page at: <https://www.pjm.com/markets-and-operations/etools/account-manager>
 - Register for a new account

Read/Write access

- Follow the steps for read only access to establish an account in Account Manager
- Log in to Account Manager with your user ID and password and request **TC Planner Read/Write** access
- If you do not see TC Planner Read/Write, request access through your company Account Manager (CAM). They will be able to authorize your access to the TC Planner Read/Write role. You may be required to create a new user ID under the specific organization provided by your CAM
- If your CAM administrator is not familiar with TC Planner Read/Write, please contact custsvc@pjm.com

Questions

- If your company is not an active Member and/or you do not have an account, please visit the Account Manager page at : <https://www.pjm.com/markets-and-operations/etools/account-manager> for further guidance on Non-Member CAMs and Non-member accounts. For any additional questions and guidance, please contact custsvc@pjm.com

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Further, the PJM Transmission Owners make no representation, express or implied, as to the accuracy or reliability of any information, the calculator or calculator results and, further, expressly disclaim any liability for any damages of any kind, including, but not limited to, direct, indirect, general, special, incidental or consequential damages arising out of any reliance on or use of any and all information, including but not limited to that information contained in or resulting from any use of PJM's calculator.

Decline

Accept

User is required to **accept** the disclaimer to be able to use the application

Select radio button
view charges by \$ or \$/MW

Select a Responsible zone/ PJM RTO default
or Future billing period

Open a dialog below

Estimated Summary by Zone

[Estimated Summary by Zone](#) |
 [RTEP Baseline and Supplemental Upgrades](#) |
 [Formula Rates](#)

Future billing period:
 Responsible zone:

Monthly Zonal Transmission Charges

View by \$
 View by \$/MW

[Links & References](#) |

Charge Type	February 2024	July 2028	Incremental
RTEP Baseline Upgrades			
Constructed by local Transmission Owner	\$24,627,834	\$25,110,049	\$482,215
Cost Allocation = 100%	\$23,032,436	\$23,532,570	\$500,134
Cost Allocation < 100%	\$16,913,459	\$18,035,250	\$1,121,791
Not Constructed by local Transmission Owner	\$6,118,977	\$5,497,320	-\$621,658
Supplemental Upgrades	\$1,595,398	\$1,577,479	-\$17,919
Total Transmission Charges	\$179,363,875	\$234,221,409	\$54,857,533

Network Service Peak Load

Network Service Peak Load: 22,825.6 MW
 Load Ratio Share: 14.29%

Links to Upgrades page



Mouse over to display definition

For \$/MW calculation

Current Month Default

Future Month Selected

Transmission Cost Planner

RTEP Baseline and Supplemental Upgrades

Estimated Summary by Zone | **RTEP Baseline and Supplemental Upgrades** | Formula Rates

General Information | Cost Allocation

Responsible zone * AEP

[Links & References](#) |

Upgrade ID ↑↓	Description ↕	TO ↕	Status ↕	In-Service Date ↕	Initial TEAC Date ↕	Latest TEAC Date ↕	Initial Cost Estimate (\$M) ↕	Latest Cost Estimate (\$M) ↕	Driver ↕	Board Approval Date ↕	% Complete ↕
b0001.0	Seven 230 kV breakers at Shawville	PENELEC	IS		05/09/2005	05/09/2005	\$1.300	\$1.300	Baseline Load Growth Deliverability & Reliability	05/09/2005	1.00%
b0001.1	Seven 230 kV breakers at Shawville	PENELEC	IS		05/09/2005	05/09/2005	\$1.300	\$1.300	Baseline Load Growth Deliverability & Reliability	05/09/2005	1.00%

Links & References

▼ Glossary

RTEP Baseline Upgrade	Upgrades that are included in PJM's Regional Transmission Expansion Plan (RTEP), approved by the PJM Board and individually listed in Schedule 12 of the PJM OATT. These upgrades have a minimum of a five character identifier that begins with a "b".
Supplemental Upgrade	Upgrades that are initiated by a PJM Transmission Owner and not required for compliance with PJM Criteria. These upgrades have a minimum of a five character identifier that begins with an "s" or "TOI". The latter identifier is no longer assigned to new Supplemental Upgrades and was used when Supplemental Upgrades were called Transmission Owner Identified upgrades.
Upgrade Status	The Upgrade Information tab has five status indicators that provide the developmental stage for each upgrade. Upgrades that are Cancelled or On Hold are included for informational purposes only and the costs associated with these upgrades are not included in the Transmission Cost Planner calculations. Only upgrades that are listed as In Service (IS), Engineering Procurement (EP) or Under Construction (UC) are included in the Transmission Cost Planner calculations.
In-Service Date	Represents the actual in-service date for upgrades already in service or the projected in-service date, when available, for upgrades not yet in service. If a projected in-service date for an upgrade not yet in service is unavailable then the required in-service date is used.

Links & References

- > **Glossary**
- > Relevant Links
- > Formula Rate Filing Links

Transmission Cost Planner | RTEP Baseline and Supplemental Upgrades

Estimated Summary by Zone | **RTEP Baseline and Supplemental Upgrades** | Formula Rates

General Information | **Cost Allocation**

Upgrade type: RTEP Baseline Upgrades | Future billing period: May 2028 | Responsible zone: AEP | Search | Clear

Upgrade ID ↑	TO	Schedule 12 Location	Schedule 12 Section	Schedule 12 Allocation Type	Allocation (Non-Load-Ratio-Share)		Allocation (Load-Ratio-Share)		February 2024		May 2028	
									Annual Revenues	Monthly Charges	Annual Revenues	Monthly Charges
b0002.0	BGE	Appendix	(b)(i) Regional Facility	100% Solution-Based DFAX	AEP: 35.00% ECP: 35.00%	PSEG: 30.00%	AEC: 1.65% APS: 5.82% BGE: 4.01% Dayton: 2.03% DL: 1.59% DPL: 2.55% JCPL: 3.59% Neptune: 0.42% PECO: 5.11% PEPCO: 3.68% PSEG: 5.99%	AEP: 14.29% ATSI: 7.49% ComEd: 14.06% DEOK: 3.21% Dominion: 13.89% EKPC: 2.35% ME: 1.81% OVEC: 0.06% PENELEC: 1.73% PPL: 4.43% RE: 0.24%	\$353,290	\$7,256	\$312,119	\$6,410

Links & References

▼ Glossary

Annual Revenue Requirement	The amount of money that a Transmission Owner needs to collect each year in order to cover its transmission related costs and earn a fair rate of return on its rate base.
Carrying Charge	The Annual Revenue Requirement, less Depreciation Expenses, that a Transmission Owner seeks to recover for each dollar of transmission Carrying Value. The Carrying Charge is multiplied by the Carrying Value of each in-service upgrade and the product, when added to the annual Depreciation Expenses associated with the upgrade, is the Transmission Owner's Annual Revenue Requirement for the upgrade.
Carrying Value	The remaining useful value of a transmission facility calculated by subtracting the accumulated annual Depreciation Expenses from the original cost of the facility.
Depreciation Expense	The annual reduction in the remaining useful value of a transmission facility.
Planning Allocation	Represents the cost allocation for Baseline Upgrades found in Schedule 12 of the PJM OATT. RTEP Baseline Upgrades that are not in Schedule 12 and Supplemental Upgrades are always assigned 100% to the zone in which the upgrade is located.

Links & References

- > **Glossary**
- > Relevant Links
- > Formula Rate Filing Links

Transmission Cost Planner

Planning Formula Rates

Estimated Summary by Zone: RTEP Baseline and Supplemental Upgrades | **Formula Rates**

Planning Formula Rates | Settlement Formula Rates

Add Planning Formula Rate | Rate year: Jun 2023 - May 2024, Jan 2024 - Dec 2024 | Search

Links & References | XLS

Actions	Rate Year	Transmission Owner	Responsible Zone	Rate Attachment	Carrying Value	Useful Life	Carrying Charge	Debt Cost	Preferred Stock Cost	Common Stock Cost	Tax Rate	Post Tax WACC
	Jan 2024 - Dec 2024	AEP Appalachian Transmission Company, Inc.	AEP	H-20	\$112,752,626.00	38	13.20%	1.78%	0.00%	5.40%	26.14%	6.71%
	Jan 2024 - Dec 2024	AEP East Operating Companies & AEP East Transmission Companies	AEP	H-14, H-20	\$19,247,360,666.00	40	12.78%	2.04%	0.00%	5.34%	23.48%	6.90%
	Jan 2024 - Dec 2024	AEP Indiana-Michigan Transmission Company, Inc.	AEP	H-20	\$3,335,296,846.00	36	11.34%	1.80%	0.00%	5.67%	24.96%	7.02%
	Jan 2024 - Dec 2024	AEP Kentucky Transmission Company, Inc.	AEP	H-20	\$137,410,124.00	44	12.90%	1.68%	0.00%	5.68%	24.95%	6.94%

Edit/View Detail button:

- Shown based on user access permission
- Navigate to Formula Rate details page

Current rate year by default
Search for other rate years

Used in TC Planner Computations

Not used in TC Planner Computations
For Market Simulation Department

Only part of **Planning** Formula Rate Data is **used** in TC Planner calculation

Only for users with role of
TC Planner Read/Write

User **must** select a
Transmission Owner
and Zone

Transmission Owners:
Please **timely add**
Formula Rate data into TC Planner
when new Formula Rate is submitted.
**No Action is needed for TO with Stated Rate*

Select Rate Year
Enter URL

Planning Data

<p>Total transmission carrying value *</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="\$"/>	<p>Total transmission carrying value reference</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>
<p>Estimated useful life of projects</p> <input style="width: 90%; border: 1px solid #ccc;" type="text"/>	<p>Estimated useful life value reference</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>
<p>Carrying charge rate</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="00.00000000%"/>	<p>Carrying charge rate</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>
<p>Weighted cost of debt *</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="00.00000000%"/>	<p>Weighted cost of debt value reference</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>
<p>Weighted cost of preferred stock *</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="00.00000000%"/>	<p>Weighted cost of preferred stock value reference</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>
<p>Weighted cost of common stock *</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="00.00000000%"/>	<p>Weighted cost of common stock value reference</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>
<p>Tax rate *</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="00.00000000%"/>	<p>Tax rate value reference</p> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Ex. Attachment H-11A: P4 C6 Ln31"/>

Data Value

- Most data fields are mandatory
- Carrying value and useful life fields are only mandatory if a prior record is available in TC Planner
- PJM average will be applied for empty values

Value Reference

- Optional
- Included in Excel download

Please be sure to complete each fields with **mandatory mark ***

Transmission Cost Planner

Settlement Formula Rates

Estimated Summary by Zone RTEP Baseline and Supplemental Upgrades **Formula Rates**

Planning Formula Rates **Settlement Formula Rates**

Rate year: Jan 2024 - Dec 2024 Links & References |

Actions	Rate Year [↑] ²	Transmission Owner [↑] ¹	Responsible Zone [↓]	Effective Date [↓]	Rate Attachment ⁱ [↓]	NITS ATRR ⁱ [↓]	NITS Rate ⁱ [↓]	TEC Credits ⁱ [↓]	P2P Credits ⁱ [↓]	Non-Zone Credits ⁱ [↓]	Other Credits ⁱ [↓]
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	American Transmission Systems, Inc.	ATSI	01/01/2024	H-21	\$1,031,766,861.00	\$86,265.00	\$38,526,883.00	\$10,509,183.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	AMP Transmission, LLC	ATSI	01/01/2024	H-32	\$16,267,846.92	\$1,359.85	\$0.00	\$74,798.74	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	AMP Transmission, LLC	AEP	01/01/2024	H-32	\$750,621.28	\$32.89	\$0.00	\$0.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	AMP Transmission, LLC	Dayton	01/01/2024	H-32	\$633,168.64	\$195.36	\$0.00	\$19,888.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	Dayton Power & Light Company (The)	Dayton	01/01/2024	H-15	\$105,611,813.00	\$32,586.18	\$3,564,454.00	\$885,687.00	\$28,666.00	\$1,361,097.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	Jersey Central Power & Light Company	JCPL	01/01/2024	H-4	\$217,430,596.00	\$37,937.00	\$22,324,308.00	\$2,011,184.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	Mid-Atlantic Interstate Transmission, LLC	ME, PENELEC	01/01/2024	H-28	\$410,168,891.00	\$73,260.00	\$29,915,602.00	\$2,412,324.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	PPL Electric Utilities Corp.	PPL	01/01/2024	H-8	\$724,534,909.46	\$102,296.43	\$77,510,055.00	\$3,825,721.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	Public Service Electric & Gas Company	PSEG	01/01/2024	H-10	\$1,729,563,805.12	\$180,897.79	\$0.00	\$20,100,000.00	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	Silver Run Electric, LLC		01/01/2024	H-27	\$25,793,147.23	\$0.00	\$0.00	\$362,479.37	\$0.00	\$0.00
<input type="button" value="Print"/>	Jan 2024 - Dec 2024	Virginia Electric & Power Company	Dominion	01/01/2024	H-16	\$1,514,069,091.02	\$68,234.51	\$0.00	\$0.00	\$0.00	\$0.00

Records Per Page: 15 << < 1-11 of 11 records > >>

Settlement Formula Rates: **Not used** by TC Planner; **Used by Market Settlements** and for Border Yearly Charge

View Settlement Formula Rate

Estimated Summary by Zone

RTEP Baseline and Supplemental Upgrades

Formula Rates

Planning Formula Rates

Settlement Formula Rates

Formula Rate Filing

Transmission owner name

Jersey Central Power & Light Company

Transmission owner zone *

JCPL

Rate type

FORMULA

Attachment H#

H-4

Rate year

Jan 2024 - Dec 2024

Rate effective date *

1/1/2024

Rate filing link *

<https://pjm.com/-/media/markets-ops/trans-service/jan-to-dec/2024/jcpl/2024-ptrr.ashx>

Settlement Data	
Annual transmission revenue requirement (ATTR) *	Annual transmission revenue requirement (ATTR) value reference *
<input type="text" value="\$217,430,596.00"/>	<input type="text" value="Attachment H-4A, Pg 1, Line 6"/>
Network integrated transmission service rate *	Network integrated transmission service rate value reference *
<input type="text" value="\$37,937.00"/>	<input type="text" value="Attachment H-4A, Pg 1, Line 10"/>
Total schedule 12 (TEC) revenue credits *	Total schedule 12 (TEC) revenue credits value reference *
<input type="text" value="\$22,324,308.00"/>	<input type="text" value="Attachment 11, Pg 2, Col. 12, Line 3"/>
Total P2P transmission service revenue credits *	Total P2P transmission service revenue credits value reference *
<input type="text" value="\$2,011,184.00"/>	<input type="text" value="Attachment 18, Line 5.01, Col. E"/>
Total non-zone load revenue credits *	Total non-zone load revenue credits value reference *
<input type="text" value="\$0.00"/>	<input type="text" value="N/A"/>
Other agreements revenue credits *	Other agreements revenue credits value reference *
<input type="text" value="\$0.00"/>	<input type="text" value="N/A"/>

Please be sure to complete each of these fields with the relevant data

If data field is Not Applicable (N/A), **must** insert 0.00 for numeric fields and N/A for alphanumeric fields

Support

- TC Planner: tcplanner-support@pjm.com
- Customer Service: custsvc@pjm.com



Important Link

- Planning center: <https://www.pjm.com/markets-and-operations/etools/planning-center>
- TC Planner URL: <https://tcplanner.pjm.com/tcplanner/>
- Account Manager: <https://www.pjm.com/markets-and-operations/etools/account-manager>