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APPLICATION OF AEP TEXAS INC. TO ADJUST ITS ENERGY EFFICIENCY COST RECOVERY FACTOR AND RELATED RELIEF	§ § § §	BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS
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AEP TEXAS INC.'S ERRATA TO TESTIMONY AND SCHEDULES

AEP Texas Inc. (“AEP Texas” or the “Company”) submits this filing to correct the testimony and certain affected schedules provided in this docket. This correction is necessary due to an inadvertent omission that resulted in an overstatement of the Company’s over-recovery calculation, which ultimately affects the allocation and assignment of proposed Energy Efficiency Cost Recovery Factor (“EECRF”) rates. Correcting this omission affects the Company’s total request to adjust its EECRF as well as the Company’s proposed EECRF factors and flows through several schedules and filed testimony. The revisions to the Company’s request and EECRF factors as well as the identified changes are shown below.

I. Revised Request to Adjust the EECRF

As revised by this errata filing, AEP Texas requests the authority to update its EECRF to collect \$26,222,184 in 2023 to reflect the following five components:

- forecasted energy-efficiency program costs of \$18,214,458 for program year 2023;
- EM&V expenses of \$232,708 for the evaluation of program year 2022;
- an adjustment of \$197,105 to account for the over-recovery of actual energy efficiency costs for 2020 (includes interest in the amount of \$1,837 and recovery of 2020 EM&V costs);
- recovery of \$7,933,862 representing AEP Texas’ earned performance bonus for achieving demand and energy savings that exceeded its minimum goals to be achieved in 2020; and
- recovery of \$23,249 representing 2021 EECRF proceeding expenses incurred in

Docket No. 52199 by AEP Texas and of \$15,013 representing 2021 proceeding expenses incurred in Docket No. 52199 by municipalities as authorized by 16 TAC § 25.182(d)(3)(B).

II. Adjusted EECRF Cost Recovery Factors for 2023

AEP Texas is requesting approval of its proposed EECRF cost recovery factors. The proposed adjusted EECRF factors by EECRF rate class as revised by this errata filing are as follows:

AEP Texas		
Rate Class	Proposed kWh Factor	Billing Unit Per Rate
Residential	\$0.001070	kWh
Secondary <= 10kW	\$0.000858	kWh
Secondary > 10 kW	\$0.000965	kWh
Primary	\$0.000450	kWh
Transmission	\$0.000000	kW

III. Errata to Testimony and Schedules

AEP Texas has identified the following errata to its filed testimony and schedules:

Direct Testimony of Jennifer L. Jackson:

Page 4, line 19: **ADD** “Errata” before “Schedule F”

Page 4, line 22: **CHANGE** “\$25,583,391” to “\$26,222,184”

Page 6, line 15: **CHANGE** “\$25,583,391” to “\$26,222,184”

Page 6, line 19: **CHANGE** “\$835,899” to “\$197,105”

Page 6, line 22: **CHANGE** “\$7,792” to “\$1,837”

Page 8, line 13: **ADD** “Errata” before “Schedule E”

Page 8, line 19: **CHANGE** “\$827,052” to “\$194,214”

Page 8, line 23: **CHANGE** “\$828,106” to “\$195,268”

Page 9, line 1: **CHANGE** “7,792” to “\$1,837”

Page 9, line 2: **CHANGE** “\$835,899” to “\$197,105”

Page 9, line 3: **ADD** “Errata” before “Schedule C”

Page 9, lines 15-16: **ADD** “Errata” before “Schedule C”

Page 11, line 8: **ADD** “Errata” before “Schedule E”

Page 11, line 9: **ADD** “Errata” before “Schedule F”

Page 12, line 17: **ADD** “Errata” before “Schedule F”

Chart on Page 12: **CHANGE** “\$0.001023” to “\$0.001070”

Chart on Page 12: **CHANGE** “\$0.000856” to “\$0.000858”

Chart on Page 12: **CHANGE** “\$0.000964” to “\$0.000965”

Page 13, line 17: **ADD** “Errata” before “Schedule G”

Page 13, line 22: **CHANGE** “\$0.001013” to “\$0.001060”

Page 15, line 8: **ADD** “Errata” before “Schedule F”

Direct Testimony of Robert F. Cavazos:

Page 5, line 3: **CHANGE** “\$25,583,391” to “\$26,222,184”

Page 5, line 6: **CHANGE** “\$835,899” to “\$197,105”

Page 12, line 16: **CHANGE** “\$835,899” to “\$197,105”

Schedules:

SWEPCO is also providing the following replacement Errata Schedules and Workpapers that reflect the corrected over/under calculation:

- Errata Schedule B, page 2;
- Errata Schedule C;
- Errata Schedule E;
- Errata Schedule F;
- Errata Schedule G; and

- Errata Workpapers.

The above-identified corrections are necessary to ensure the accurate calculation of the EECRF rates and total request to adjust AEP Texas' EECRF. Errata schedules and redlined copies of the corrected testimony pages are attached. In addition, AEP Texas is filing the native Excel versions of the corrected schedules. AEP Texas will make the above-identified errata to the record copies of its exhibits.

AEP Texas is providing this filing to the parties in this case, to all parties to AEP Texas' most recently completed base rate case (Docket No. 49494), AEP Texas' last EECRF case (Docket No. 52199), the Texas Department of Housing and Community Affairs, and all Retail Electric Providers in Texas.


Respectfully Submitted,

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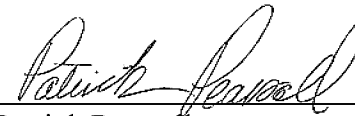


Patrick Pearsall

ATTORNEYS FOR AEP TEXAS INC.

CERTIFICATE OF SERVICE

I hereby certify that on this 24th day of June 2022, a true and correct copy of the foregoing document was transmitted to the parties of record in accordance with the Second Order Suspending Rules issued in Project No. 50664.



Patrick Pearsall

PUBLIC UTILITY COMMISSION OF TEXAS

APPLICATION OF

AEP TEXAS INC.

TO ADJUST ITS

ENERGY EFFICIENCY COST RECOVERY FACTOR AND RELATED RELIEF

ERRATA DIRECT TESTIMONY OF

JENNIFER L. JACKSON

FOR

AEP TEXAS INC.

JUNE 1, 2022

TESTIMONY INDEX

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I. INTRODUCTION AND PURPOSE

Q. PLEASE STATE YOUR NAME, POSITION, AND BUSINESS ADDRESS.

A. My name is Jennifer L. Jackson. I am a Regulatory Pricing and Analysis Manager in Regulated Services, Pricing and Analysis, part of the American Electric Power Service Corporation (AEPSC) Regulatory Services Department, 212 East Sixth Street, Tulsa, Oklahoma 74119-1295.

Q. PLEASE BRIEFLY DESCRIBE THE AEPSC REGULATORY SERVICES DEPARTMENT, YOUR CURRENT JOB RESPONSIBILITIES, AND EDUCATION.

A. AEPSC Regulated Pricing and Analysis reports through Regulatory Services, which is part of the AEPSC's External Affairs Group. Among its activities, Regulated Pricing and Analysis provides cost-of-service, rate design, pricing analysis and tariff-related services to the AEP operating companies, including AEP Texas Inc. My job duties include providing testimony, rate review analysis and support, pricing design, implementation of pricing programs, and regulatory compliance for the AEP operating companies. I have been involved in regulatory rate review and pricing design proceedings since 1991 in all four of the AEP west state jurisdictions including Texas, Arkansas, Louisiana, and Oklahoma. I received a Bachelor of Business Administration Degree with an emphasis in Marketing from Texas Tech University.

1 Q. HAVE YOU PREVIOUSLY SPONSORED TESTIMONY BEFORE THIS
2 COMMISSION?

3 A. Yes, I have previously sponsored testimony before the Public Utility Commission of
4 Texas (PUCT or Commission) in the following dockets: 20545, 28520, 28840, 31251,
5 31461, 32758, 33309, 33310, 35625, 35627, 36422, 36928, 36949, 36961, 36960,
6 36959, 38208, 38209, 38210, 39359, 39360, 39361, 40358, 40359, 40443, 41538,
7 41539, 41879, 41970, 42370, 42508, 42509, 44717, 44718, 45787, 45788, 45928,
8 45929, 47015, 47236, 48110, 48422, 49163, 49494, 49592, 51415, and 52199. I have
9 also sponsored testimony before the Arkansas Public Service Commission and the
10 Oklahoma Corporation Commission.

11 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

12 A. 16 Tex. Admin. Code (TAC) § 25.182, permits a utility to establish an energy
13 efficiency cost recovery factor (EECRF) to recover its reasonable expenditures on
14 energy efficiency programs, a performance bonus for exceeding its minimum goals,
15 Evaluation, Measurement and Verification (EM&V) costs allocated to the utility, and
16 proceeding expenses.

17 The purpose of my testimony is to: (1) support the calculation of the annual
18 redetermination of AEP Texas' EECRF; and (2) present the revised tariff (Rider
19 EECRF), included as Errata Schedule F to AEP Texas' filing, proposed to be effective
20 March 1, 2023.

21 Q. PLEASE SUMMARIZE YOUR TESTIMONY.

22 A. AEP Texas is requesting recovery of ~~\$25,583,391~~\$26,222,184 through its Rider
23 EECRF, which includes: projected program year (PY) 2023 energy efficiency program

costs; EM&V costs; the return to customers of an over-recovery of PY 2021 program costs, including interest; EECRF proceeding expenses—including expenses necessary to reimburse intervening municipalities—incurred in Docket No. 52199. The class assignment of these costs has been performed consistent with 16 TAC § 25.182(d) and AEP Texas’ last EECRF proceeding. The proposed EECRF factors, which are designed to recover the PY 2023 EECRF revenue requirement, are calculated based on projected 2023 kWh sales for all EECRF classes eligible for the EECRF. AEP Texas’ proposed EECRF factors comply with the requirements for cost caps under 16 TAC § 25.182(d)(7).

Q. WHAT SCHEDULES THAT ACCOMPANY THE AEP TEXAS FILING DO YOU SPONSOR?

A. I sponsor the following schedules:

Schedule	Description
Schedule E	Calculation of the 2022 AEP Texas EECRF Factors
Schedule F	AEP Texas Rider EECRF
Schedule G	Calculation of Cost Caps
Schedule H	Development of Forecasted Billing Units
Schedule Q	System and Line Losses

I also sponsor the workpapers supporting these schedules.

Q. WHAT SCHEDULES ARE YOU CO-SPONSORING?

A. I am co-sponsoring Schedule A with AEP Texas witnesses Robert Cavazos and Pamela D. Osterloh; Schedule B with AEP Texas witness Osterloh; and Schedule C with AEP Texas witness Cavazos.

- Schedule A provides the requested program budget year proposed incentives and administrative costs, research and development (R&D) and EM&V costs in total and by EECRF rate class.

- Schedule B provides the historical program budget year actual incentives and administrative costs, and R&D and EM&V costs in total and by EECRF rate class.
- Schedule C provides the actual results from the PY 2021 by EECRF rate class, including EECRF revenues.

II. ADJUSTED EECRF REVENUE REQUIREMENT FOR PY 2023

Q. WHY IS AEP TEXAS REQUESTING APPROVAL OF AN ADJUSTED EECRF?

A. 16 TAC § 25.182(d)(8) requires a bundled utility with an EECRF to apply no later than June 1 of each year to adjust its EECRF effective March 1 of the following year. AEP Texas currently billing its customers the 2022 EECRF factors approved in Docket No. 52199. In this case, AEP Texas is requesting Commission approval of an adjusted Rider EECRF with factors to be effective March 1, 2023.

Q. WHAT IS THE REVENUE REQUIREMENT THAT AEP TEXAS IS TO RECOVER THROUGH ITS PROPOSED ADJUSTED EECRF?

A. AEP Texas is requesting to recover ~~\$ 25,583,391~~\$26,222,184 through its adjusted Rider EECRF in PY 2023. This revenue requirement reflects the following:

- recovery of \$18,214,458; in energy efficiency program costs projected to be incurred in PY 2023;
- an adjustment of ~~\$835,899~~\$197,105 to account for the over-recovery of EECRF revenues above actual energy efficiency program expenditures incurred for its PY 2021 programs, including the recovery of 2021 EM&V costs and interest in the amount of ~~\$7,792~~\$1,837;
- recovery of \$7,933,862 representing AEP Texas' earned performance bonus;
- recovery of EECRF proceeding expenses from Docket No. 52199 in the amount of \$38,262—including \$15,013 in reimbursed proceeding expenses incurred by municipal intervenors and \$23,249 for AEP Texas' legal expenses; and
- recovery of EM&V costs in the amount of \$232,708.

1 Q. HOW ARE THE PY 2023 PROGRAM COSTS ASSIGNED TO EACH CLASS?

2 A. PY 2023 program costs are assigned to EECRF rate classes on a program-by-program
3 basis following the methodology employed in AEP Texas' 2022 EECRF approved in
4 Docket No. 52199. The class assignment of the PY 2023 program costs, including
5 administrative costs, is based on the direct assignment to the EECRF rate classes
6 eligible for specific programs where possible.

7 Q. HOW ARE THE PY 2023 PROGRAM COSTS THAT ARE NOT DIRECTLY
8 ASSIGNED TO A CLASS ALLOCATED?

9 A. Where more than one EECRF rate class is eligible to participate in a specific program,
10 AEP Texas has employed an adjusted and weighted demand allocator to assign
11 program costs across the eligible classes based on allocators approved in its most recent
12 base-rate case, Docket No. 49494.

13 PY 2023 R&D costs are allocated across the eligible classes using the weighted
14 and adjusted demand allocators.

15 The transmission service class of customers is not allocated energy efficiency
16 program costs through the EECRF because those customers taking service at 69
17 kilovolts (kV) and above are not eligible for participation in AEP Texas' PY 2023
18 energy efficiency programs.

19 Q. PLEASE DESCRIBE THE ADJUSTED DEMAND ALLOCATION FACTORS
20 USED TO ALLOCATE PY 2023 COSTS THAT ARE NOT DIRECTLY ASSIGNED
21 TO RATE CLASSES.

22 A. The class distribution function demand allocators from Docket No. 49494 have been
23 weighted to remove the lighting class and transmission customers at or above 69 kV

1 and adjusted using 2023 projected kWh. The 2023 kWh projection also accounts for
 2 industrial customers identifying themselves under 16 TAC § 25.181(c)(30) and (u).
 3 Under 16 TAC § 25.181(c)(30) and (u), distribution voltage industrial customers that
 4 qualify for a tax exemption under Tex. Tax Code Ann. § 151.317 and submit an
 5 identification notice by February 1 characterizing the account as such, are not eligible
 6 for participation in energy efficiency programs through the EECRF beginning with the
 7 next calendar year. AEP Texas has therefore removed kWh associated with those
 8 customers from the 2023 kWh projection. The removal of the identification notice
 9 customers affects the adjusted demand allocators and the calculation of the proposed
 10 class EECRF factors for 2023. The kWh associated with the identification notice
 11 customers and the resulting 2023 kWh projection are shown in Schedule H and the
 12 adjusted demand allocators and supporting data are shown in the rate design
 13 workpapers supporting Errata Schedule E; WP Schedule E (Adj Allocators).

14 Q. HOW WAS THE 2021 OVER-RECOVERY DETERMINED?

15 A. The over-recovery was determined by comparing AEP Texas' PY 2021 Rider EECRF
 16 revenues with actual PY 2021 expenditures—including EM&V costs and excluding
 17 rate-case expenses for Docket No. 52199 and financially based incentive
 18 compensation. This comparison resulted in an over-recovery for PY 2021 in the
 19 amount of ~~\$827,052~~\$194,214. This amount includes a trailing under-recovery of
 20 \$1,054 from the Transmission Class that has continued since base-rate energy
 21 efficiency recovery existed for that class. AEP Texas has determined to forego the
 22 recovery of this small amount. The resulting adjusted PY 2021 over-recovery is
 23 ~~\$828,106~~\$195,268. Interest on the over-recovery balance is required per 16 TAC §

1 25.182(d)(10)(D). Interest on the over-recovery balance is ~~\$7,792~~\$1,837, for a total
2 over-recovery with interest of ~~\$835,899~~\$197,105.

3 The over-recovery with interest is shown on Errata Schedule C (2021) and is
4 summarized in WP Schedule C (Summary).

5 Q. HOW IS AEP TEXAS ASSIGNING THE 2021 OVER-RECOVERY TO THE
6 CLASSES?

7 A. The over-recovery assignment to each class is based on a comparison of the total 2021
8 energy efficiency revenues and EECRF Rider revenues by EECRF rate class, to actual
9 2021 program costs assigned to each EECRF rate class. The actual 2021 energy
10 efficiency program costs have been directly assigned to the individual EECRF rate
11 classes that actually participated in each program using a direct, program-by-program
12 assignment. The 2021 administrative costs follow the assignment of the incentive costs
13 and the R&D costs have been either directly assigned to the rate classes or allocated to
14 the classes based on the 2021 class program cost assignment. The specifics of the class
15 assignment of the over-recovery are shown in the workpapers supporting Errata
16 Schedule C.

17 Q. HOW IS AEP TEXAS ASSIGNING THE PY 2021 EARNED PERFORMANCE
18 BONUS TO THE CLASSES?

19 A. AEP Texas has assigned the PY 2021 earned performance bonus to all EECRF rate
20 classes eligible for participation in the PY 2021 energy efficiency programs using an
21 allocator based on the direct assignment of the PY 2021 program incentives to the
22 EECRF rate classes. AEP Texas' allocation is in accordance with 16 TAC
23 § 25.182(e)(6), which states that the bonus shall be allocated in proportion to the

1 program costs associated with meeting the demand and energy goals and allocated to
2 the eligible customers on a rate class basis. The detail for the earned performance
3 bonus allocation is shown in WP Schedule E (2021 Bonus).

4 Q. ARE THERE EECRF PROCEEDING EXPENSES INCLUDED IN THE 2023
5 TOTAL REVENUE REQUIREMENT?

6 A. Yes. AEP Texas has included in EECRF proceeding expenses that it incurred in Docket
7 No. 52199 as well expenses to reimburse intervening municipalities for their
8 participation in Docket No. 52199. The detail of the municipal and AEP legal counsel
9 EECRF proceeding expenses are shown in WP Schedule E (Proceeding Expenses).
10 The support for those expenses is included in Exhibit RC-1 to the testimony of Mr.
11 Cavazos.

12 Q. HOW IS AEP TEXAS ASSIGNING THE EECRF PROCEEDING EXPENSES TO
13 THE CLASSES?

14 A. AEP Texas has assigned the total requested EECRF proceeding expenses to the classes
15 using an allocator developed using the assignment of the PY 2023 program cost to the
16 EECRF rate classes.

17 Q. HAS AEP TEXAS INCLUDED EM&V COSTS IN THE PY 2023 REVENUE
18 REQUIREMENT?

19 A. Yes. AEP Texas has included its allocated share of statewide EM&V contractor costs
20 for evaluating PY 2022 in the PY 2023 revenue requirement to be recovered through
21 the 2023 EECRF. The statewide EM&V contractor costs are shown in WP Schedule E
22 (EMV).

III. DEVELOPMENT OF EECRF CLASS FACTORS

Q. HOW ARE THE EECRF FACTORS DETERMINED ONCE ALL THE COMPONENTS ARE ASSEMBLED?

A. Once the total EECRF class revenue requirement is developed and assigned to EECRF rate classes by direct assignment or by using the appropriate allocators, EECRF class factors are calculated by dividing the revenue requirement for each EECRF rate class by the 2023 projected billing units for each EECRF rate class. The 2023 EECRF factors for AEP Texas are shown in Errata Schedule E and the revised AEP Texas Rider EECRF is contained in Errata Schedule F.

Q. WHAT BILLING UNIT IS AEP TEXAS PROPOSING TO USE TO RECOVER THE ENERGY EFFICIENCY COSTS?

A. AEP Texas is proposing to continue to use an energy charge (kWh) for recovery of energy efficiency costs for all classes of customers included in the EECRF, as authorized by 16 TAC § 25.182(d)(6). AEP Texas' kWh proposal is consistent with past approved EECRF billing methodologies and is in compliance with 16 TAC § 25.182(d)(6). AEP Texas has supplied forecasted 2023 kWh data for all classes in Schedule H.

Q. PLEASE DESCRIBE HOW THE 2023 FORECASTED BILLING UNITS USED IN THE DEVELOPMENT OF THE EECRF FACTORS FOR PROGRAM YEAR 2023 WERE DETERMINED.

A. As part of the normal course of business, AEPSC projects monthly kWh sales for each of its operating companies, including AEP Texas. The AEPSC Economic Forecasting Department provides the total retail kWh sales forecasts by revenue class. Because the

1 kWh sales are projected on a revenue class basis kWh data must be converted to
 2 EECRF rate class forecasted kWh sales. Forecasted kWh sales by EECRF rate class
 3 were established by first determining each EECRF rate class's percentage of total retail
 4 sales based on twelve months of historical kWh sales data. Forecasted kWh sales by
 5 rate class were then calculated by multiplying each rate class's percentage of total retail
 6 kWh sales by the total retail forecasted kWh sales. As discussed above, the projection
 7 of the 2023 kWh reflects the removal of the identification notice customer kWh. The
 8 annual class projected kWh sales less the customer identification notice kWh for each
 9 EECRF rate class was used to determine the adjusted 2023 EECRF class factors.
 10 Schedule H specifies the process for determining the projected kWh sales by EECRF
 11 rate class.

12 Q. WERE SYSTEM AND LINE LOSSES USED TO DEVELOP THE EECRF
 13 FACTORS?

14 A. No. AEP Texas' kWh sales forecast for 2023 is based on energy delivered at the meter,
 15 so it was not necessary to adjust the EECRF factors to reflect system and line losses.

16 Q. WHAT ARE THE PROPOSED 2023 EECRF RATE CLASS FACTORS?

17 A. The proposed 2023 factors by EECRF rate class as shown in Errata Schedule F are:

AEP Texas		
Rate Class	Proposed kWh Factor	Billing Unit Per Rate
Residential	\$0.00107023	kWh
Secondary <= 10 kW	\$0.0008586	kWh
Secondary > 10 kW	\$0.0009654	kWh
Primary	\$0.000450	kWh
Transmission	\$0.000000	kW

18

1 Q. HAS AEP TEXAS CALCULATED THE EECRF FACTORS IN A MANNER
2 CONSISTENT WITH 16 TAC § 25.182?

3 A. Yes.

4 Q. DO THE 2023 EECRF FACTORS, EXCLUDING MUNICIPAL EECRF
5 PROCEEDING EXPENSES AND STATEWIDE EM&V CONTRACTOR COSTS,
6 EXCEED THE MAXIMUM PRICE PER KWH FOR RESIDENTIAL AND
7 COMMERCIAL CUSTOMERS AS SPECIFIED IN 16 TAC § 25.182(d)(7)?

8 A. No, they do not. 16 TAC § 25.182(d)(7) recognizes two groups of customers for the
9 purposes of setting cost caps, residential and commercial. Neither class factor exceeds
10 the PY 2023 cost cap.

11 Q. HOW ARE THE 2023 EECRF COST CAPS DETERMINED?

12 A. The method of calculating the 2023 cost caps is described in 16 TAC
13 § 25.182(d)(7)(C). The most recently available calendar year's percentage change in
14 the South urban consumer price index is calendar year 2021. The percentage change
15 for calendar year 2023 is 5.08%. AEP Texas has evaluated the cap based on the
16 adjusted 2023 per kWh residential cap of \$.001433 and commercial cap of \$.000896.
17 The 2023 cost cap calculation is included in Errata Schedule G of the ~~combined~~-AEP
18 Texas EECRF filing schedules.

19 Q. HOW DO THE PROPOSED FACTORS FOR RESIDENTIAL AND COMMERCIAL
20 COMPARE TO THE 2023 COST CAPS?

21 A. The revised residential factor excluding municipal EECRF proceeding expenses,
22 EM&V statewide contractor costs, and interest on the over-recovery is \$0.00106043

1 per kWh, which does not exceed the residential maximum of \$0.001433 per kWh. The
 2 maximum commercial rate per kWh for 2023 is \$0.000896 per kWh as explained
 3 above. The updated commercial class factor excluding the municipal EECRF
 4 proceeding expenses, statewide EM&V contractor cost, and interest on the over-
 5 recovery is \$0.0007965 per kWh, which does not exceed the cap for the commercial
 6 class. Errata Schedule G details the 2023 cost cap comparison.

7 Q. HAS AEP TEXAS INCLUDED A CALCULATION OF THE 2021 CAP BASED ON
 8 ACTUAL PROGRAM COSTS AND ACTUAL 2021 BILLING UNITS?

9 A. Yes, AEP Texas has included a 2021 cap calculation based on actual 2021 program
 10 costs and billing units as part of Errata Schedule G.

11 Q. DID AEP TEXAS EXCEED THE 2021 CAPS BASED ON ACTUAL DATA?

12 A. No. Neither EECRF rate class exceeded the 2021 caps.

13 Q. HOW WERE THE 2021 CAPS CALCULATED?

14 A. The 2021 caps were calculated by removing the statewide EM&V contractor's costs
 15 and the municipal EECRF proceeding expenses paid in 2021 from the total 2021
 16 Energy Efficiency actual costs and dividing that total amount by the class 2021 EECRF
 17 billing units less any customer ID notice kWh. This calculation yields the following
 18 results for the classes:

Class	2021 Cost per kWh	2021 Cap
Residential	\$0.000842892	\$0.001351
Commercial	\$0.000618619	\$0.000845

1 Q. ARE SOME CUSTOMERS EXCLUDED FROM EECRF CHARGES?

2 A. Yes, in addition to transmission customers taking service at 69 kV, distribution
3 industrial customers meeting the definition and fulfilling the requirements as outlined
4 in 16 TAC § 25.181(c)(30) and (u) (ID Notice Customers) are excluded from EECRF
5 charges. Also, the lighting class has not been assigned or allocated any 2023 costs.

6 Q. HAVE YOU PROVIDED THE REVISED TARIFF REFLECTING 2023 EECRF
7 FACTORS FOR AEP TEXAS?

8 A. Yes. The proposed Rider EECRF is shown in the Errata Schedule F. AEP Texas
9 requests that the Commission approve Rider EECRF to be effective March 1, 2023.

10 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

11 A. Yes, it does.

PUBLIC UTILITY COMMISSION OF TEXAS

APPLICATION OF

AEP TEXAS INC.

TO ADJUST ITS

ENERGY EFFICIENCY COST RECOVERY FACTOR AND RELATED RELIEF

ERRATA DIRECT TESTIMONY OF

ROBERT CAVAZOS

FOR

AEP TEXAS INC.

June 1, 2022

1 Q. WHAT RELIEF DOES AEP TEXAS SEEK IN THIS PROCEEDING?

2 A. AEP Texas requests the Commission approve an adjustment to AEP Texas' EECRF to

3 recover ~~\$25,583,391~~26,222,184, which reflects the following components:

4 (1) recovery of \$18,214,458 for AEP Texas which is the forecasted
5 PY 2023 energy efficiency program expenditures;

6 (2) refund to customers in the amount of ~~\$835,899~~197,105 representing the
7 over-recovery of actual energy efficiency costs for 2021 (includes
8 interest and recovery of 2020 EM&V costs);

9 (3) recovery of \$7,933,862 representing AEP Texas' 2021 performance
10 bonus for achieving demand and energy savings that exceeded its
11 minimum goals to be achieved in 2021;

12 (4) recovery of \$38,262 representing AEP Texas' 2021 EECRF proceeding
13 expenses incurred in Docket No. 52199, including expenses necessary
14 to reimburse intervening municipalities, as authorized by 16 TAC
15 § 25.182(d)(3); and

16 (5) recovery of \$232,708 for AEP Texas' share of the EM&V cost
17 to evaluate PY 2022.

18 Q. PLEASE BRIEFLY SUMMARIZE THE CONCLUSIONS PRESENTED IN YOUR
19 TESTIMONY.

20 A. My testimony demonstrates the following:

21 (1) The components AEP Texas includes in its request to adjust its 2023
22 EECRF have been properly calculated in accordance with the applicable
23 standards and criteria.

24 (2) AEP Texas' PY 2021 performance bonus calculation comports fully
25 with the applicable provisions of the Commission rule.

26 (3) It is reasonable and in accordance with the applicable Commission rule
27 to include an adjustment to reflect the over-recovered revenues in its
28 2021 EECRF to be returned to customers in the adjusted 2023 EECRF.

29 (4) AEP Texas' proceeding expenses incurred in Docket No. 52199,
30 including those expenses incurred to reimburse intervening
31 municipalities, were reasonable and necessary and are properly included
32 in this filing for recovery in the adjusted 2023 EECRF.

1 A. Yes. In addition to collecting its projected total PY 2023 energy efficiency program
2 expenditures, AEP Texas is requesting to include within its adjusted PY 2023 EECRF
3 the amount of its actual PY 2021 energy efficiency program revenues that were greater
4 than its actual PY 2021 EECRF program costs, including interest.

5 Q. PLEASE EXPLAIN THE BASIS FOR AEP TEXAS' INCLUSION OF THE 2021
6 OVER-RECOVERY AMOUNT WITHIN ITS ADJUSTED 2022 EECRF.

7 A. PURA § 39.905(b-1) provides that:

8 The energy efficiency cost recovery factor under Subsection (b)(1) may not
9 result in an over-recovery of costs but may be adjusted each year to change
10 rates to enable utilities to match revenues against energy efficiency costs
11 and any incentives to which they are granted. The factor shall be adjusted
12 to reflect any over-collection or under-collection of energy efficiency cost
13 recovery revenues in previous years.

14 16 TAC § 25.182(d)(1)(A) further states that the "EECRF shall be calculated based on
15 the preceding year's over- or under-recovery." The proposed EECRF reflects a refund
16 to customers in the amount of ~~\$835,899~~ 197,105 for AEP Texas actual energy
17 efficiency costs for 2021, including interest.

18 D. 2021 Performance Bonus

19 Q. HAS AEP TEXAS CALCULATED THE PERFORMANCE BONUS IT SEEKS TO
20 RECOVER IN CONNECTION WITH ITS PY 2021 ENERGY EFFICIENCY
21 ACHIEVEMENTS?

22 A. Yes. Please refer to Schedule D, which I sponsor. This schedule demonstrates the
23 calculation of the \$7,933,862 performance bonus that AEP Texas seeks to be awarded
24 based upon its PY 2021 energy efficiency results.

2021 AEP Texas	Res	Sec < 10	Sec > 10	Primary	Total
Commercial Programs					
ComSol MTP		14,146.12	990,364.17	0.00	\$1,004,510.29
Commercial SOP		35,708.64	1,318,099.50	877,174.55	\$2,230,982.70
CoolSaver® A/C Tune-Up MTP		96,731.80	544,085.72	4,538.20	\$645,355.72
Load Management SOP		0.00	370,010.04	267,820.97	\$637,831.01
Open MTP		77,263.51	1,236,390.70	10,006.57	\$1,323,660.78
SCORE/CitySmart MTP		184,771.90	930,735.40	122,917.90	\$1,238,425.20
SMART Source SM Solar PV MTP		29,829.41	187,091.37	0.00	\$216,920.79
Total Commercial		\$438,451.39	\$5,576,776.91	\$1,282,458.19	\$7,297,686.49
Residential Programs					
CoolSaver® A/C Tune-Up MTP	734,707.91				\$734,707.91
High Performance New Homes MTP	1,037,321.00				\$1,037,321.00
SMART Source SM Solar PV MTP	340,277.24				\$340,277.24
Residential SOP	3,694,691.34				\$3,694,691.34
Residential Pool Pumps Pilot MTP	84,543.76				\$84,543.76
Total Residential	\$5,891,541.26				\$5,891,541.26
Hard-to-Reach Programs					
Hard-To-Reach SOP	1,589,123.27				\$1,589,123.27
Targeted Low Income Energy Efficiency Program	1,999,935.75				\$1,999,935.75
Total HTR	\$3,589,059.02				\$3,589,059.02
Total Programs	\$9,480,600.28	\$438,451.39	\$5,576,776.91	\$1,282,458.19	\$16,778,286.77
Research & Development	102,229.37	4,566.07	57,575.59	13,451.46	\$177,822.49
EM&V -statewide contr	117,431.31	5,388.97	67,942.81	16,185.09	\$206,948.18
Total R&D	\$219,660.68	\$9,955.04	\$125,518.40	\$29,636.55	\$384,770.67
Total 2021	\$9,700,260.96	\$448,406.43	\$5,702,295.31	\$1,312,094.74	\$17,163,057.44

AEP Texas, Inc.
Adjusted Energy Efficiency Cost Recovery Factor Filing

Errata Schedule C 2021

AEP Texas Combined
Schedule C
Calculation of 2021 Over/Under Recovery Class Factor

2021 Residential Energy Efficiency Expenditures + R&D +EM&V- Municipal EECRF Expenses -Financially-Based incentives	\$9,660,806
2021 Actual Residential Energy Efficiency Factor Revenues	\$9,779,997
2021 Residential Over Recovery	(\$119,191)
2021 Commercial Energy Efficiency Expenditures + R&D + EM&V- Municipal EECRF Expenses -Financially-Based incentives	\$7,431,299
2021 Actual Commercial Energy Efficiency Factor Revenues	\$7,507,376
2021 Commercial Over Recovery	(\$76,077)
2021 Total Energy Efficiency Expenditures + R&D + EM&V- Municipal EECRF Expenses -Financially-Based incentives	\$17,092,105
2021 Actual Total Energy Efficiency Factor Revenues	\$17,286,319
2021 Over Recovery	(\$194,214)
less Transmission Class trailing under-recovery	(\$1,054)
Interest on 2021 Over Recovery	(\$1,837)
Total Over Recovery With Interest	(\$197,105)

Class	2021 Program Costs Over/Under Recovery Allocation	2023 Forecasted Billing Unit	2023 Over/Under Recovery Factor	Unit
Residential	(\$120,312)	13,456,447,713	(\$0.000009)	kWh
Secondary <= 10 kW	\$78,735	751,553,780	\$0.000105	kWh
Secondary > 10 kW	\$166,298	9,519,343,301	\$0.000018	kWh
Primary	(\$321,826)	4,447,864,497	(\$0.000072)	kWh
Transmission	\$0	21,248,422	\$0.000000	kW
Lighting	\$0	273,395,973	\$0.000000	kWh
Total	(\$197,105)	28,469,853,686		

Over-Recovery Without Interest for 2023 Cap Purposes	
Class	2021 Program Costs Over/Under Recovery Allocation
Residential	(\$119,191)
Secondary <= 10 kW	\$78,001
Secondary > 10 kW	\$164,748
Primary	(\$318,826)
Transmission	\$0
Total Without Interest	(\$195,268)

AEP Texas Inc.
Adjusted Energy Efficiency Cost Recovery Factor Filing

Errata Schedule E (2023 Factors)

Schedule E

Calculation of Requested EECRF by Customer Class Using Direct Assignment of EECRF Program Costs

AEP Texas Inc.	Update		June 1 Filing	Change
2023 Program Costs	\$18,214,458	69.46%	\$18,214,458	\$0
EM&V Evaluation of PY 2022	\$232,708	0.89%	\$232,708	\$0
2021 Over Recovery	(\$195,268)	-0.74%	(\$828,106)	\$632,839
2021 Interest	(\$1,837)	-0.01%	(\$7,792)	\$5,955
Calculated Performance Bonus for 2021	\$7,933,862	30.26%	\$7,933,862	\$0
EECRF Proceeding Expenses DN 52199	\$38,261	0.15%	\$38,261	\$0
Adjusted EECRF Revenue Requirement	\$26,222,184	100.00%	\$25,583,391	\$638,794

Class	Total Adjusted 2023 EECR Revenue Requirement	2023 Forecasted Billing Unit	2023 EECR Factor	Unit	June 1 Filing	Change
Residential	\$14,395,827	13,456,447,713	\$0.001070	kWh	\$0.001023	\$0.000047
Secondary <= 10 kW	\$644,917	751,553,780	\$0.000858	kWh	\$0.000856	\$0.000002
Secondary > 10 kW	\$9,181,793	9,519,343,301	\$0.000965	kWh	\$0.000964	\$0.000001
Primary	\$1,999,647	4,447,864,497	\$0.000450	kWh	\$0.000450	\$0.000000
Transmission	\$0	21,248,422	\$0.000000	kW	\$0.000000	\$0.000000
Lighting	\$0	273,395,973	\$0.000000	kWh	\$0.000000	\$0.000000
Total	\$26,222,184.17					

Class	2023 EECRF Program Costs with EM&V	2021 Over/Under With Interest	2021 Bonus	EECRF Proceeding Expenses DN 52199	Total 2023 EECRF Revenue Requirement	2023 Forecasted Billing Unit	2023 EECR Factor	Unit
Residential	\$10,145,969	(\$120,312)	\$4,349,126	\$21,044	\$14,395,827	13,456,447,713	\$0.001070	kWh
Secondary <= 10 kW	\$415,607	\$78,735	\$149,714	\$862	\$644,917	751,553,780	\$0.000858	kWh
Secondary > 10 kW	\$6,280,131	\$166,298	\$2,722,339	\$13,026	\$9,181,793	9,519,343,301	\$0.000965	kWh
Primary	\$1,605,460	(\$321,826)	\$712,683	\$3,330	\$1,999,647	4,447,864,497	\$0.000450	kWh
Transmission	\$0	\$0	\$0	\$0	\$0	21,248,422	\$0.000000	kW
Lighting	\$0	\$0	\$0	\$0	\$0	273,395,973	\$0.000000	kWh
Total	\$18,447,166	(\$197,105)	\$7,933,862	\$38,261	\$26,222,184			

Applicable: Certified Service Area

Chapter: 6 Section: 6.1.1

Section Title: Delivery System Charges

Revision: Third Effective Date: March 1, 2023

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6.1.1.4.2 Rider EECRF – Energy Efficiency Cost Recovery Factors

AVAILABILITY

Rider EECRF recovers the cost of energy efficiency programs not already included in base distribution service rates and is applicable to the kWh sales of Retail Customers taking retail electric delivery service from the Company.

APPLICABILITY

The Rider EECRF is applicable to the current month's billed kWh of each Retail Customer taking electric delivery service from the Company.

MONTHLY RATE

<u>Rate Schedule</u>	<u>Factor</u>	
Residential Service	\$0.001070 per kWh	R
Secondary Service Less than or Equal to 10 kW	\$0.000858 per kWh	R
Secondary Service Greater than 10 kW	\$0.000965 per kWh	R
Primary Service	\$0.000450 per kWh	R
Transmission Service	\$0.000000 per kW	R

NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.

Schedule G
Cap Calculation

AEP Texas	
2023 Program Costs (no EM&V cost)	\$18,214,458
2021 Over/Under Recovery without Interest	(\$195,268)
Calculated Performance Bonus - 2021	\$7,933,862
AEP Texas EECRF Proceeding Expenses	\$23,249
Adjusted EECR Revenue Requirement*	\$25,976,301

*no municipal EECRF proceeding expenses or EM&V costs or interest on the over/under recovery are included in the cap calculation

Class	Total Adjusted 2023 EECRF Revenue Requirement (no EM&V cost)	2023 Forecasted Billing Unit	2023 EECR Factor (no EM&V)	Unit
Residential	\$14,260,702	13,456,447,713	\$0.001060	kWh
Secondary <= 10 kW	\$638,602	751,553,780	\$0.000850	kWh
Secondary > 10 kW	\$9,095,909	9,519,343,301	\$0.000956	kWh
Primary	\$1,981,088	4,447,864,497	\$0.000445	kWh
Transmission	\$0	21,248,422	\$0.000000	kW
Total (no EM&V cost)	25,976,301	28,175,209,291		

		South Urban CPI 5.08%			
Class	Base Rate Including Revenue Adjustment	2023 EECR Factor (no EM&V)	2023 Total	2022 Cap	2023 Cap
Residential	\$0.000000	\$0.001060	\$0.001060	\$0.001364	\$0.001433
Non-Residential	\$0.000000	\$0.000796	\$0.000796	\$0.000853	\$0.000896

Calculation of Non-Residential per kWh Rate	
2023 Rev Req	\$11,715,599
2023 kWh	14,718,761,578
Combined per kWh	\$0.000796

2021 Cap Analysis						
Class	Actual 2021 Program Costs*	2019 Performance Bonus	2019 (O)/U (less EM&V and interest)	2021 Billing kWh (less ID Notice)	2021 Cost Cap Based on Actuals	2021 Cap As Prescribed in \$25.181(f)(8)(B)
Residential	\$9,543,375	\$1,935,862	(\$529,714)	12,268,774,529	\$0.000892	\$0.001351
Non-Residential	\$7,341,782	\$1,539,814	(\$590,592)	13,401,371,499	\$0.000619	\$0.000845
Total	\$16,885,157	\$3,475,676	(\$1,120,306)	25,670,146,028		

*less TetraTech EM&V costs & muni expenses & financially-based incentives

Central Division
Adjusted Energy Efficiency Cost Recovery Factor Filing

Errata WP Schedule C (Summary)

Central Division
2021 (Over)/Under Summary

Class	2021 Program + Admin Costs	2021 R&D Cost	2021 EM&V Cost	Municipal Expense	Finacially- Based Incentives	2021 EE Costs	2021 EECRF Rider Revenue	2019 Performance Bonus	2019 (Over)/Under	EECRF Program Revenue	2021 EE Base Revenue	2021 EE Base Adjustment	Total EE Program Revenue	2021 (Over)/Under Recovery	2021 (Over)/Under Interest	2021 (Over)/Under Total
	a	b	c	d	e	f=a+b+c-d-e	g	h	i	j=g-h-i	k	l	m=j+k+l	n=f-m	o	p=n+o
Residential	\$7,898,945	\$84,329	\$101,036	\$7,296	\$24,784	\$8,052,231	\$9,571,723	\$1,633,567	(\$242,860)	\$8,181,017	\$0	\$0	\$8,181,017	(\$128,786)	(\$1,212)	(\$129,998)
Secondary <= 10 kW	\$337,882	\$3,597	\$4,334	\$313	\$1,028	\$344,473	\$307,823	\$38,364	(\$53,724)	\$323,182	\$0	\$0	\$323,182	\$21,291	\$200	\$21,491
Secondary > 10 kW	\$4,288,991	\$45,284	\$54,559	\$3,940	\$14,234	\$4,370,660	\$5,438,608	\$968,093	(\$267,128)	\$4,737,644	\$0	\$0	\$4,737,644	(\$366,984)	(\$3,453)	(\$370,437)
Primary	\$1,263,038	\$13,267	\$15,984	\$1,154	\$4,405	\$1,286,729	\$968,983	\$219,907	(\$80,715)	\$829,791	\$0	\$0	\$829,791	\$456,938	\$4,300	\$461,238
Transmission	\$0	\$0	\$0	\$0	\$0	\$0	(\$4,626)	\$0	(\$191)	(\$4,435)	\$0	\$0	(\$4,435)	\$0	\$0	\$0
Lighting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$13,788,856	\$146,478	\$175,913	\$12,702	\$44,452	\$14,054,093	\$16,282,511	\$2,859,931	(\$644,619)	\$14,067,198	\$0	\$0	\$14,067,198	(\$17,540)	(\$165)	(\$17,706)

Central Division 2021 Program Results

Total															R&D		Total				
Commercial Programs	Sec <= 10	Sec > 10	Incentives Prim	Res	Total	Sec <= 10	Sec > 10	Admin Prim	Res	Total	Commercial Programs	Sec < 10	Sec > 10	Prim	Res	Total	Sec < 10	Sec > 10	Prim	Res	Total
Combiel MTP	2,263.91	505,739.31	0.00		508,002.22	259.49	57,968.24	0.00		58,227.73	Combiel MTP	2,523.40	563,706.55	0.00		566,229.95					566,229.95
CSOP	22,502.99	1,055,156.75	790,886.65		1,868,066.39	2,460.59	115,120.49	86,297.90		203,868.98	CSOP	25,013.59	1,170,277.24	877,174.55		2,072,465.37					2,072,465.37
CodSaver	89,255.98	502,036.59	4,187.47		595,480.04	7,475.82	42,049.13	350.73		49,875.68	CodSaver	96,731.80	544,065.72	4,538.20		645,355.72					645,355.72
LM SOP	0.00	266,192.55	233,580.25		499,772.80	0.00	28,494.18	25,003.24		53,497.42	LM SOP	0.00	294,686.73	258,585.49		553,270.22					553,270.22
Open MTP	29,963.82	760,755.24	0.00		790,759.06	2,932.01	74,445.14	0.00		77,377.15	Open MTP	32,896.83	835,240.38	0.00		868,136.21					868,136.21
SCORE/CS MTP	165,556.21	667,897.95	112,308.66		945,562.83	15,361.55	62,047.55	10,433.45		87,842.54	SCORE/CS MTP	180,717.76	729,945.50	122,742.11		1,033,405.37					1,033,405.37
SMART Source MTP - Comm	0.00	136,740.00	0.00		136,740.00	0.00	14,308.39	0.00		14,308.39	SMART Source Pilot MTP - Comm	0.00	151,048.39	0.00		151,048.39					151,048.39
Total Commercial	309,392.92	3,894,557.39	1,140,963.03		5,344,913.34	28,489.47	384,433.12	122,075.52		544,957.90	Total Commercial	337,882.38	4,288,960.51	1,263,038.35		5,889,911.24					5,889,911.24
Residential Programs											Residential Programs										
CodSaver				677,926.73	677,926.73					56,781.18	CodSaver				734,707.91	734,707.91					734,707.91
HP NH				947,262.31	947,262.31					90,058.69	HP NH				1,037,321.00	1,037,321.00					1,037,321.00
Pool Pump MTP				79,663.00	79,663.00					10,880.76	Pool Pump MTP				84,543.76	84,543.76					84,543.76
RSOP				2,785,078.65	2,785,078.65					249,458.17	RSOP				3,034,537.02	3,034,537.02					3,034,537.02
SMART Source Pilot MTP - Res				210,805.00	210,805.00					23,539.34	SMART Source Pilot MTP - Res				234,344.24	234,344.24					234,344.24
Total Residential				4,694,735.89	4,694,735.89					430,718.04	Total Residential				5,125,453.93	5,125,453.93					5,125,453.93
Hard-to-Reach Programs											Hard-to-Reach Programs										
HTR SOP				1,087,556.88	1,087,556.88					119,546.08	HTR SOP				1,207,102.96	1,207,102.96					1,207,102.96
TU EEP				1,429,885.49	1,429,885.49					136,502.86	TU EEP				1,566,388.35	1,566,388.35					1,566,388.35
Total HTR				2,517,442.37	2,517,442.37					256,048.94	Total HTR				2,773,491.31	2,773,491.31					2,773,491.31
Total Programs	309,392.92	3,894,557.39	1,140,963.03	7,212,178.26	12,557,091.60	28,489.47	384,433.12	122,075.52		686,766.99	Total Programs	337,882.38	4,288,960.51	1,263,038.35	7,896,945.25	13,788,856.49					13,788,856.49
	5.79%	72.36%	21.35%		100%	0.02	0.32	0.10	0.56												
	2.46%	31.01%	9.09%	57.44%	100%																
Research & Development											Research & Development										
EM&V -statewide contr											EM&V -statewide contr										
Total R&D											Total R&D										
							</														

Central Division
Adjusted Energy Efficiency Cost Recovery Factor Filing

Errata WP Schedule C (2021 Rev)

RIDER_GROUP_TX	TOT_REVENUE	2019 PERFORMANCE BONUS	2019 OVER RECOVERY	2021 EECRF PROGRAM REVENUE
(SE11A)ENERGY EFFICIENCY ADJ-RESIDENTIALSERVICE	9,571,721.89			
(SE11A)ENERGY EFFICIENCY ADJ-RESIDENTIALSERVICE	1.46			
<u>TOTAL RESIDENTIAL</u>	<u>9,571,723.35</u>	<u>\$1,633,567</u>	<u>(\$242,860)</u>	<u>\$8,181,017</u>
ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	0.66			
ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	288,593.21			
ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	19,228.23			
ENERGY EFFICIENCY CREDIT- SECONDARY < 10KW	0.42			
<u>TOTAL SECONDARY <= 10 KW</u>	<u>307,822.52</u>	<u>\$38,364</u>	<u>(\$53,724)</u>	<u>\$323,182</u>
ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	0.57			
ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	5,067,979.62			
ENERGY EFFICIENCY CREDIT- SECONDARY > 10KW	370,628.14			
<u>TOTAL SECONDARY > 10 KW</u>	<u>5,438,608.33</u>	<u>\$968,093</u>	<u>(\$267,128)</u>	<u>\$4,737,644</u>
(SE11I)ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	603,783.47			
(SE11I)ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	365,199.35			
<u>TOTAL PRIMARY</u>	<u>968,982.82</u>	<u>\$219,907</u>	<u>(\$80,715)</u>	<u>\$829,791</u>
(SE11F) ENERGY EFFICIENT CREDIT TRANSMISSION	-373.15			
(SE11F) ENERGY EFFICIENT CREDIT TRANSMISSION	-4,253.26			
<u>TOTAL TRANSMISSION</u>	<u>-4,626.41</u>	<u>\$0</u>	<u>(\$191)</u>	<u>(\$4,435)</u>
EECRF Program Cost Revenues	16,282,510.61	\$2,859,931	(\$644,619)	\$14,067,198
		<u>EECRF Rider Revenue (\$0 Base Rate Recovery in 2021)</u>		<u>\$16,282,511</u>
		Program Revenue		\$14,067,198

North Division
Adjusted Energy Efficiency Cost Recovery Factor Filing

Errata WP Schedule C (Summary)

**North Division
2021 (Over)/Under Summary**

Class	2021 Program + Admin Costs	2021 R&D Cost	2021 EM&V Cost	Municipal Expense	Finacially- Based Incentives	2021 EE Costs	2021 EECRF Rider Revenue	2019 Performance Bonus	2019 (Over)/Under	2021 EECRF Program Revenue	2021 EE Base Revenue	2021 EE Base Adjustment	2021 Total EE Program Revenue	2021 (Over)/Under Recovery	2021 (Over)/Under Interest	2021 (Over)/Under Total
	a	b	c	d	e	f=a+b+c-d-e	g	h	i	j=g-h-i	k	l	m=j+k+l	n=f-m	o	p=n+o
Residential	\$1,581,655	\$17,900	\$16,395	\$761	\$6,614	\$1,608,575	\$1,712,488	\$302,295	(\$188,787)	\$1,598,980	\$0	\$0	\$1,598,980	\$9,595	\$90	\$9,686
Secondary <= 10 kW	\$100,569	\$969	\$1,055	\$49	\$383	\$102,160	\$102,682	\$23,772	\$33,460	\$45,450	\$0	\$0	\$45,450	\$56,710	\$534	\$57,244
Secondary > 10 kW	\$1,287,786	\$12,291	\$13,384	\$621	\$5,279	\$1,307,562	\$1,295,819	\$281,697	\$238,292	\$775,830	\$0	\$0	\$775,830	\$531,731	\$5,004	\$536,735
Primary	\$19,420	\$185	\$201	\$9	\$81	\$19,715	\$420,478	\$7,982	(\$382,983)	\$795,479	\$0	\$0	\$795,479	(\$775,764)	(\$7,300)	(\$783,064)
Transmission	\$0	\$0	\$0	\$0	\$0	\$0	-\$146	\$0	(\$3,527)	\$3,381	\$0	\$0	\$3,381	\$0	\$0	\$0
Lighting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0
Total	\$2,989,430	\$31,345	\$31,035	\$1,441	\$12,357	\$3,038,012	\$3,531,321	\$615,745	(\$303,545)	\$3,219,121	\$0	\$0	\$3,219,121	(\$177,727)	(\$1,672)	(\$179,400)

AEP Texas North Division		2021 YE Program Results										North Division	2021 YE Program Results																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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North Division
Adjusted Energy Efficiency Cost Recovery Factor Filing

Errata WP Schedule C (2021 Rev)

RIDER_GROUP_CD	RIDER_GROUP_TX	TOT_REVENUE	2019 PERFORMANCE BONUS	2019 OVER RECOVERY	2021 EECRF PROGRAM REVENUE
EEARS	ENERGY EFFICIENCY ADJ-RESIDENTIAL SERVICE	1,712,484.52			
EEARS	ENERGY EFFICIENCY ADJ-RESIDENTIAL SERVICE	3.59			
	<u>TOTAL RESIDENTIAL</u>	<u>1,712,488.11</u>	\$302,295	(\$188,787)	\$1,598,980
EEASL	ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	72,702.94			
EEASL	ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	18,236.91			
EEASL	ENERGY EFFICIENCY ADJ-SECONDARY SER <=10KW	11,742.05			
	<u>TOTAL SECONDARY SER <=10KW</u>	<u>102,681.90</u>	\$23,772	\$33,460	\$45,450
EEASG	ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	908,523.42			
EEASG	ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	179,167.86			
EEASG	ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	208,125.92			
EEASG	ENERGY EFFICIENCY ADJ-SECONDARY SER > 10KW	1.82			
	<u>TOTAL SECONDARY SER > 10KW</u>	<u>1,295,819.02</u>	\$281,697	\$238,292	\$775,830
EEAPS	ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	4,003.66			
EEAPS	ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	367,697.22			
EEAPS	ENERGY EFFICIENCY ADJ-PRIMARY SERVICE	48,777.27			
	<u>TOTAL PRIMARY</u>	<u>420,478.15</u>	\$7,982	(\$382,983)	\$795,479
EEATC	ENERGY EFFICIENT CREDIT TRANSMISSION	-110.51			
EEATC	ENERGY EFFICIENT CREDIT TRANSMISSION	-31.73			
EEATC	ENERGY EFFICIENT CREDIT TRANSMISSION	-3.99			
	<u>TOTAL TRANSMISSION</u>	<u>-146.23</u>	\$0	(\$3,527)	\$3,381
<u>TOTAL ALL CLASSES</u>		<u>3,531,320.95</u>	<u>615,745</u>	<u>(\$303,545)</u>	<u>\$3,219,121</u>
<u>EECRF Rider Revenue (\$0 Base Rate Recovery in 2021)</u>					<u>\$3,531,321</u>
Program Revenue					\$3,219,121

The following files are not convertible:

AEF TX 2022 Sch C-E-G-H-I-Q-WPA-WPC-
WPE-WPG WPH 2023 Rates Revised.xlsx

Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.