	Description: 8 Activities	ettleme	ent/Non-binding ADR Commun	icate with clie	nt P. Osteri	on re se	ttlement	schedu	ule preparat	ion /PUCT-Se	ttlement
	Adjustment: (Reason for Ad	djustme	022 - Amount adjusted by 1 72 ent: Discount Agreement ator: 7% discount to vendor fe			reemeni	t				
	08/26/2022	Fee	L160 Settlement/Non-Binding ADR		245 00	2.10	36.02	0.00	0.00		478.48
43	Activity: A103 Description: S			•	document	s /PUC1	-Settler	nent Ac	tivities		
	Reason for Ad	djustme	022 - Amount adjusted by 36.0 ent: Discount Agreement stor: 7% discount to vendor fe			reemenl	i.				
	08/28/2022	Fee	L160 Settlement/Non-Binding ADR		245 00	3.10	53.16	0.00	0.00		706.34
4 4	Activity: A103 Description: S		evise ent/Non-binding ADR Draft/Rev	/ise settlemen	package /	PUCT-S	ettleme:	nt Activ	rties		
44	Adjustment: 0 Reason for Ad)9/14/20 ijustme	022 - Amount adjusted by 53.1 ent: Discount Agreement stor: 7% discount to vendor fe	6 - system, sy:	stem						
		Fee	L160 Settlement/Non-Binding ADR		245 00	0.10	1.72	0.00	0.00		22.78
45			unicate (with client) ent/Non-binding ADR Commun	icate with clies	nt J. Harriso	on re cla	rification	of Sch	edule D /PI	UCT-Settlemer	nt
	Reason for Ad	djustme	022 - Amount adjusted by 1 72 ent: Discount Agreement stor: 7% discount to vendor fe	es per billing d		reement	!				
	08/30/2022	Fee	L160 Settlement/Non-Binding ADR	Pearsall, Patrick	370.00	0.50	12.95	0.00	0.00		1 72.0 5
4 6	Adjustment: 0 Reason for Ad	Settlerne 99/1 <i>4/20</i> ijustm e	ent/Non-binding ADR Draft/Rev 022 - Amount adjusted by 12.90 ent: Discount Agreement stor: 7% discount to vendor fe	5 - system, sys es per billing c	stem		-	PUCT-8	Settlement /	Activities.	
	08/31/2022	Fee	L160 Settlement/Non-Binding ADR	Pearsall, Patrick	370 00	0.40	10.36	0 00	0 00		137.64
47	Activity: A103 Description: S		evise ent/Non-binding ADR Draft/Rev	vise settlement	document	filing pa	ickage /	PUCT-S	Settlement /	Activities.	
	Reason for Ad	ijustme)22 - Amount adjusted by 10.3 ent: Discount Agreement stor: 7% discount to vendor fe			reement					
	08/31/2022	Fee	L160 Settlement/Non-Binding ADR	Pearsall, Patrick	370.00	0.20	5.18	0.00	0.00		68.82
48	Activity: A104 Description: S Settlement Act	Settlame	v/analyze ant/Non-binding ADR Review/A	knalyz e issue s	re scope a	nd struc	ture of s	ettleme	ent filing pac	kage /PUCT-	
	Reason for Ad	ljustme	022 - Amount adjusted by 5.18 ent: Discount Agreement stor: 7% discount to vendor fe			reemeni					
	· - ··	Fee	L120 Analysis/Strategy	Green, Stephanie	245 00	0.30	5.14	0.00	0.00		68 36
		\nalysis	i //analyze /Strategy Review/Analyze stat PUCT-Overall Case Strategy.		ommunicat	ions will	n Staff, p	orepara	tion of settle	ement docume	nts, and
	Reason for Ad	ljustme	022 - Amount adjusted by 5 14 Int: Discount Agreement To: 7% discount to vendor fe			reement					

Completed Requests

Item	ł	Request Name	Requestor	Request Date	Completion Date	Comment	Outcome
		Post Invoice for 3,677 59 USD	Duggins Wren Mann & Romero, LLP	09/14/2022	09/16/2022		Approved
	1	Approval History					

Header Information

Invoice Number: 38602 Billing Start Date: 09/01/2022

Vendor: Duggins Wren Mann & Romero, LLP Billing End Date: 09/30/2022

Address: 600 Congress Ave Suite 1900, Austin, TX, 78701, United States of America

Tax ID: 27-5110427

Invoice Date: 10/13/2022 Submitted Total: \$4396 00 Received Date: 10/13/2022 Submitted Currency: USD

Project: AEP062032-AEP Texas 2022 EECRF - PUCT Docket No. 53679

Tax Rate: 0.00% PS Voucher: 00340339 Posting Status: Posted

Approved Total: \$4088.26

Invoice Summary

Туре	Rate x Units	Discount	AEP Disc	Adjustment	AEP Spilf	Tax	Amount
Fees	4396.00	0.00	307 74	0.00	0.00	0.00	4088.26
Expenses	0.00	0.00	N/A	0 00	0 00	0.00	0.00
Invoice Total	4396.00	0.00	307 74	0 00	0 00	0.00	4088.26

lem	Date	Туре	Category	тк	Rate	Units	AEP Disc	Disc	Adj	AEP Split	Amt
	09/01/2022	Fee	L210 Pleadings	Pearsall, Patrick	370 00	0 20	5.18	0 00	0.00		68.82
1	Pleadings and Adjustment: Reason for A	Pleading Motion 10/13/20 djustm e	gs Review/Analyze status	y 5 18 - system, sy	stem			ettiemei	nt package	ÆUCT-Non-	Discovery
	09/01/2022	Fee	L160 Settlement/Non-B ADR		245.00	0.10		0.00	0.00		22.7
2	Settlement Ad Adjustment: Reason for A	Settlemo tiviti e s. 10/13/20 djustm o	w/analyze ent/Non-binding ADR Re 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to ven	/ 1 72 - system, sy	stem			re Stat	Schedule	D question /l	PUCT-
		T	L160 Settlement/Non-B		245.00	0.20	ľ	0.00	0,00		45.5
	09/01/2022 Activity: A104 Description:		•	Stephanie view/Analyze setti			<u> </u>		e re prepara	ition of same	PUCT-
3	Activity: A10- Description: Settlement Ac Adjustment: Reason for A	l 4 Review Settlemo tivities. 10/13/24 djustmo	w/analyze ent/Non-binding ADR Re 222 - Amount adjusted by ent: Discount Agreement	view/Analyze setti	ement docur	ment iss	ues and		re prepara	ution of same	PUCT-
3	Activity: A10- Description: Settlement Ac Adjustment: Reason for A	l 4 Review Settlemo tivities. 10/13/24 djustmo	w/analyze ent/Non-binding ADR Re 022 - Amount adjusted by	view/Analyze setti	ement docur	ment iss	ues and	timeline	o re prepara	ution of same	<u> </u>
3	Activity: A10- Description: Settlement Ac Adjustment: Reason for A Comments to 09/01/2022 Activity: A10- Description: and Motions Adjustment: Reason for A	4 Review Settlemitivities. 10/13/2/ djustmo Reque Fee 3 Comm Pleading	w/analyze ent/Non-binding ADR Re 222 - Amount adjusted by ent: Discount Agreement stor: 7% discount to ven L210 Pleadings unicate (other external) as Communicate with oth 222 - Amount adjusted by ent: Discount Agreement	view/Analyze sett) y 3.43 - system, sy dor fees per billing Green, Stephanie er external J. Han	stem discount as 245.00 ison and Sta	greemer 0 10	ues and 1.72	timeline	0.00		22.79
	Activity: A10- Description: Settlement Ac Adjustment: Reason for A Comments to 09/01/2022 Activity: A10- Description: and Motions Adjustment: Reason for A	4 Review Settlemitivities. 10/13/2/ djustmo Reque Fee 3 Comm Pleading	w/analyze ent/Non-binding ADR Re 222 - Amount adjusted by ent: Discount Agreement estor: 7% discount to ven L210 Pleadings unicate (other external) as Communicate with oth	view/Analyze settl y 3.43 - system, sy dor fees per billing Green, Stephanie er external J. Han y 1.72 - system, sy dor fees per billing Green,	stem discount as 245.00 ison and Sta	greemer 0 10	ues and 1.72 atus Rep	0.00 ort filing	0.00 PUCT-No	on-Discovery	22.70 Pleadings
	Activity: A10- Description: Settlement Ac Adjustment: Reason for A Comments to 09/01/2022 Activity: A10- Description: and Motions Adjustment: Reason for A Comments to 09/01/2022 Activity: A10- Description: Adjustment: Reason for A Comments to	4 Review Settlementivities. 10/13/2/djustmentivities Reque Fee 3 Comm Pleading 10/13/2/djustmentivities Reque Fee 4 Review Pleading 10/13/2/djustmentivities	w/analyze ent/Non-binding ADR Re 222 - Amount adjusted by ent: Discount Agreement estor: 7% discount to ven L210 Pleadings unicate (other external) as Communicate with oth 222 - Amount adjusted by ent: Discount Agreement estor: 7% discount to ven L210 Pleadings	view/Analyze settl 7 3.43 - system, s	stem discount as 245.00 ison and Statem discount as 245.00 UCT-Non-Distem	greemer 0 10 aff re Sta	1.72 atus Rep	0.00 ort filing	0.00 3 /PUCT-No 0.00	on-Discovery	22.79

	Reason for Ad	ljustme	122 - Amount adjusted by 1 72 - Int: Discount Agreement Intor: 7% discount to vendor fee			reement					
		Fee	L160 Settlement/Non-Binding		370.00	0.20	5.18	0.00	0.00		68.82
7	report /PUCT-8	Settleme Settleme	//anetyze ont/Non-binding ADR Review/A	nalyze commu		vith Staf	f and Ini	terveno	r counsel re	e settlement st	alus
	Reason for Ad	ijustme	ent: Discount Agreement stor: 7% discount to vendor fee	es per billing d		reement					
	09/04/2022	Fee	L160 Settlement/Non-Binding ADR	Green, Stephanie	245 00	0.90	15.44	0 00	0.00		205.06
8	("PO") consiste Adjustment: 1 Reason for Ad	Settleme ency wit 10/13/20 ijustme	v/analyze ent/Non-binding ADR Review/A h same; prepare settlement do 222 - Amount adjusted by 15.44 ent: Discount Agreement stor: 7% discount to vendor fe	cuments for in	ternal circu tern	ilation /P	PUCT-Se				ler
	09/05/2022	Fee	L210 Pleadings	Green, Stephanie	245 00	0 10	1.72	0 00	0.00		22.78
9	Description: F Motions. Adjustment: 1 Reason for Ad	Pleading 10/13/20 Ijustme	unicate (other external) Is Communicate with other external IS22 - Amount adjusted by 1 72 Int: Discount Agreement ISTORY 7% discount to vendor fee	- system, syste	èm			/PUCT	-Non-Disco	very Pleading	s and
	09/06/2022	Fee	L210 Pleadings	Pearsall, Patrick	370.00	0.10	2.59	0.00	0.00		34.41
10	Adjustment: 1 Reason for Ad	Pleading 10/13/20 djustme	Ifanalyze Is Review/Analyze final draft of IS 22 - Amount adjusted by 2 59 Int: Discount Agreement Istor: 7% discount to vendor fe	- system, syste	em			adings a	and Motion	s.	
	09/06/2022	Fee	L210 Pleadings	Green, Stephanie	245 00	0 20	3.43	0 00	0.00		45,57
1 1	Adjustment: 1 Reason for Ad	Pleading 10/13/20 1justm e	is Review/Analyze and prepare 222 - Amount adjusted by 3.43 ent: Discount Agreement stor: 7% discount to vendor fer	- system, syste es per billing d	· •m			T-Non-	Discovery F	Pleadings and	Motions.
	09/09/2022	Fee	L160 Settlement/Non-Binding ADR	Pearsall, Patrick	370.00	0.20	5.18	0.00	0.00		68.82
12	Description: § Activities. Adjustment: 1 Reason for Ad	Settleme 10/13/20 djustme	unicate (with client) ent/Non-binding ADR Communi 222 - Amount adjusted by 5 18 ent: Discount Agreement stor: 7% discount to vendor fe	- system, syste	em			filing pa	ackage /PU	CT-Settlement	
	09/09/2022	Fee	L160 Settlement/Non-Binding ADR	Green. Stephanie	245 00	0 30	5.14	0.00	0.00	:	68.36
13	Description: S confirmation of Adjustment: 1 Reason for Ad	Settleme f propos 10/13/20 djustme	unicate (with client) ent/Non-binding ADR Communiced order findings and conclusion 22 - Amount adjusted by 5 14 ent: Discount Agreement stor: 7% discount to vendor fe	ons /PUCT-Se - system, syste es per billing d	em	ctivities.		no re se	ettlement do	ocument review	v and
	09/09/2022	Fee	L160 Settlement/Non-Binding ADR	Green, Stephanie	245.00	0.30	5.14	0.00	0.00		68.36
14	Description: \$ /PUCT-Settler Adjustment: 1 Reason for Ad	Settleme nent Act 10/13/20 djustme	unicate (with client) ent/Non-binding ADR Commun	icate with clien	o m			no re se	ettlement do	ocuments and	findings

	Activity: A103										
	Description: 8 /PUCT-Settlem		ent/Non-binding ADR Draft/Rev livities.	rise and update	e settlemei	nt docum	ients an	d confir	m settleme	ent schedule di	ata
	Adjustment: 1	0/13/20	022 - Amount adjusted by 13.73 ant: Discount Agreement	2 - system, sys	stem						:
	Comments to	Reque	stor: 7% discount to vendor fe		scount ag	reement					
	09/09/2022	Fee	E160 Settlement/Non-Binding ADR	Green, Stephan⊧e	245.00	0.10	1.72	0.00	0.00		22.78
			unicate (with client) ent/Non-binding ADR Commun	icate with clier	nt R. Cavaz	zos et al.	re setti	ement d	locuments	and confirmati	on of
16	same /PUCT-S	Settleme	ent Activities								
:	Reason for A	ijustme	022 - Amount adjusted by 1.72 ent: Discount Agreement stor: 7% discount to vendor fe			roemoni					
	09/12/2022	Fee	L160 Settlement/Non-Binding		370 00	0 60	15.54	0 00	0.00		206.46
	Activity: A104		v/analyze		<u> </u>						\vdash
17			ent/Non-binding ADR Review/A eding /PUCT-Settlement Activit		re draft sti	pulation,	propos	ed orde	r, and orde	r admitting evi	dence
	Adjustment: 1 Reason for Ad	10/13/20 1just me	022 - Amount adjusted by 15.5- ent: Discount Agreement stor: 7% discount to vendor fe	4 - system, sys es per billing d		reement					
	09/12/2022	Fee	L160 Settlement/Non-Binding ADR	[Pearsall, Patrick	370 00	0 20	5.18	0 00	0.00		68.82
			unicate (with client)								
18			ent/Non-binding ADR Commun /PUCT-Settlement Activities.	icate with clier	nt L. Melhe	m re stip	ulation	and orde	er admitting	g evidence and	'
	Adjustment: 1 Reason for Ad	0/13/20 ijustme	022 - Amount adjusted by 5 18 ant: Discount Agreement	•							
			stor: 7% discount to vendor fe [L160 Settlement/Non-Binding		r i						
	09/12/2022	Fee	ADR	Stephanie	245.00	0.20	3.43	0.00	0.00		45.57
	Activity: A104 Description: S		v/analyze ent/Non-binding ADR Review/A	nalvze revisio	ns to settle	ment do	cument	s /PUCT	Γ-Settlemer	nt Activities.	
19	Adjustment: 1 Reason for Ad	10/13/20 ijust me	022 - Amount adjusted by 3.43 ent: Discount Agreement stor: 7% discount to vendor fe	- system, syst	em						
			L160 Settlement/Non-Binding		r <u> </u>			0.00	0.00		240.87
	09/13/2022	Fee	ADR	Patrick	370 00	0 70	18.13	0 00	0.00		240.87
20	Activity: A104 Description: §		v/analyze ent/Non-bi <mark>nding ADR</mark> Review/A	knalyze issues	re finalizın	g settlen	nent pad	kage /F	PUCT-Settle	ement Activitie	rs
	-		022 - Amount adjusted by 18.10	3 - system, sys	stem						
		-	ent: Discount Agreement stor: 7% discount to vendor fe	es ner hilling d	liscount an	reemeni					
	09/13/2022	Fee	L160 Settlement/Non-Binding	Green,	245 00	0 80	13.72	0 00	0.00		182.28
	Activity: A104	Review		Stephanie	<u> </u>						
	Description: S	Settleme	ent/Non-binding ADR Review/A								n
21	preparation of	upaated	i settlement document packagi	e regime and d	llean revie\	r versioi	is/PUC	1.36IDE	anent ACTIV	iu co	
	,		022 - Amount adjusted by 13.73	2 - system, sys	stem						
			ent: Discount Agreement stor: 7% discount to vendor fe	es per billing d	liscount ag	reement					
	09/13/2022	Fee	L160 Settlement/Non-Binding ADR		245 00	0 40	6.86	0 00	0.00		91.14
	Activity: A106	Comm	unicate (with client)	Greprianie				t			
22	Description: S Settlement Act		ent/Non-binding ADR Commun	icate with clier	nt L. Melhe	m re upo	lated se	ttlemen	t document	t package /PU	CT-
	Adiustment: 1	0/13/20	022 - Amount adjusted by 6 86	- system, syst	em						
	Reason for A	djustme	ent: Discount Agreement			FOO March					
		<u> </u>	stor: 7% discount to vendor fe L160 Settlement/Non-Binding		i i		10.30		~~		127.64
	09/15/2022	:Fee	ADR	Patrick	370.00	0.40	10.36	0.00	0.00		137.64
			unicate (with client) ent/Non-binding ADR Commun	icate with clien	nti Melhe	m re seti	lement	docume	ent package	and line loss	factors
23			ettlement Activities.	MARC WILLIAMS	E. MIGHE	,			povnage	, and the toda	

87.SS		00.0	00 0	1.72		245 00		L160 Settlement/Non-Binding	903	09/23/2022	
					lnemes.			S2 - Amount adjusted by 1,72 - ht: Discount Agreement for: 7% discount to vendor fee	gustme	Reason for Ac	
ine	OUCT-Settleme	A Inemeliti	es jo snj	ete eta	osinsH .l	L lanietxe i	ento nith othe	nicate (other external) n/Non-binding ADR Communio			31
87.52		00.0	00.0	1.72	01.0	245.00	Green, Stephanie		_	09/23/2022	
					Juamaa.			SZ - Amount adjusted by 1.72 - nt: Discount Agreement for: 7% discount to vendor fee	ijnstme	Reason for Ac	
	-TOUG! alne	ant docume	segleme	oiaor	dmA'G =	External E	sate with othe	nicate (other external) n/Non-binding ADR Communic	ettleme		30
87. <u>ss</u>		00.00	00.0	1.72	01.0	245.00		L160 Settlement/Non-Binding	893		
					tramaa.			22 - Amount adjusted by 1 72 - Amount Agreement10: 7% discount to vendor fee	ijnstme	Reason for Ad	
ilies.	viboA tnemelite	Puct-se	nemelHe	es jo sn	lete stat	P. Osterlo		nicate (with client) n/Non-binding ADR Communic			53
87.52		00.0	00.00	27.1	01.0	245.00		L160 Settlement/Non-Binding	993	2202/02/60	
					mamaa		720 11 120	22 - Amount adjusted by 1 72 - nt: Discount Agreement tor: 7% discount to vendor fee	O/13/203	Falustment: 1 Reason for A	lana.
-10	U9\ etnemuso	1	ein re se	prefere	1	i eonebno	zejyze corresp		Review	Activity: A104 Description: S Settlement Act	
87.55		00.0	00.0	27.1	010	245.00	Green,	tor: 7% discount to vendor fee	993	09/19/2022	
Town See	review and ap		_	1	_	. external p	Stephanie	ADR nicate (other external) T/Non-binding ADR Communic	Commu ettlemen ent Activ	Activity: A108 Description: S PUCT-Settlem Adjustment: 1	
Þ1.16		00.0	00 0	98.9	O 40	Scount agn		tot: 7% discount to vendor fee L160 Settlement/Non-Binding	003	103037420000	
								t documents to parties /PUCT- T: Discount Adjusted by 5 14 -	0/13/202	f :Inemtzu[bA	92
	bne notem	ation confi	se calcul	sol anil s	n et al. re	r L. Melhen		nicate (with client) Whon-binding ADR Communic			
9E.89		00.0	00.0	Þ1'S	08.0	245.00		U60 Settlement/Non-Binding	993	2202/51/60	
					Inemee			- St. I yd belaufa sdjusted by 1.72 - the Discount Agreement tot: 7% discount to vendor fee	ijnstmei	Reason for Ad	
	-TOUG\ stne	amt docume	məltləs	en oison	dmA'Q	3 Isnietxe		nicate (other external) M/Non-binding ADR Communic	Commu		SS
87.SS		00.0	00.0	1.72	01.0	245.00		gnibniB-noMtnemeltte2 0811	697	09/15/2022	
					pamaa			 Amount adjusted by 3.43 - Discount despending of the second of the second	ljustmei	Reason for Ad	
	-TOUG\ notite	loss calcul	anil to n	oitemil	nco en ric	P. Osterlo	sate with clien	nicate (with client) 1/Non-binding ADR Communic	ettlemer		54
ZG:G₽		00.0	00.00	3.43	02.0	245.00	Green, Stephanie	PDR Settlement/Non-Binding	-ee	2202/51/60	
					Inemee	scount agn		tor: 7% discount to vendor fee	Kednez	Omments to	

	Activities.		· · · · · · ·						"		
	Reason for A	djustme	022 - Amount adjusted by 1.72 ent: Discount Agreement								
			stor: 7% discount to vendor fe L160 Settlement/Non-Binding								
	09/23/2022	Fee	ADR	Stephanie	245.00	0.20	3.43	0.00	0.00		45.57
33		ettleme	unicate (with client) ent/Non-binding ADR Commur ivities.	nicate with clier	nt P. Osterk	oh and [D. Trevir	no re St	aff settleme	ent schedule q	uestions
	Reason for A	ijustme	022 - Amount adjusted by 3 43 ent: Discount Agreement stor: 7% discount to vendor fe	es per billing o		reement					
	09/25/2022	Fee	L160 Settlement/Non-Binding ADR	Green. Stephanie	245 00	0 10	1.72	000	0.00		22.78
	Activity: A104			•	re settleme	eni statu	s /PUC1	r-Settle	ment Activi	ties	•
34	Adjustment: 1 Reason for Ad	0/13/20 ijustme	022 - Amount adjusted by 1.72 ent: Discount Agreement stor: 7% discount to vendor fe	: - system, syst	em						
	09/25/2022	Fee	L160 Settlement/Non-Binding ADR	Green. Stephanie	245 00	0 40	6.86	0 00	0.00		91.14
			unicate (with client)	•							
35			ent/Non-binding ADR Commun ettlement Activities.	nicate with clier	nt L. Meiher	m et al. r	'e seπle	ment ac	ocuments a	na propo se a r	evisions
	Reason for A	djustme	022 - Amount adjusted by 6 86 ent: Discount Agreement stor: 7% discount to vendor fe	•		reement					
	09/25/2022	Fee	L160 Settlement/Non-Binding	Green.	245.00	0.30	5.14	0.00	0.00		68.36
	Activity: A104		ADR	Stephanie	210.00	5.55	5 ,	3,33	0.00		1 35.53
36	Description: 8	ettleme	ant/Non-binding ADR Review/	Analyze propos	ed edits re	ceived fi	rom ARI	M and T	EAM /PUC	T-Settlement	Activities.
	Reason for Ad	ijustme	022 - Amount adjusted by 5 14 ant: Discount Agreement stor: 7% discount to vendor fe	-		reement					
	09/26/2022	Fee	L160 Settlement/Non-Binding	Pearsall,	370 00	0 50	12.95	0 00	0.00		172.05
	Activity: A104	Review	ADR v/analyze	Patrick	1			L			<u> </u>
37	Description: S to same /PUC	Settleme F-Settle	ent/Non-binding ADR Review// ment Activities. 022 - Amount adjusted by 12.9			iors' proj	posed e	dits to s	settlement p	package and r	esponse
	Reason for Ad	iju strne	ent: Discount Agreement								
		Keque	stor: 7% discount to vendor fe [L160 Settlement/Non-Binding		Ť		ľ	Т			r
!	09/26/2022	Fee	ADR	Patrick	370 00	0 20	5.18	0 00	0.00		68.82
38	Description: S	Settleme	unicate (with client) ent/Non-binding ADR Commun ment Activities.	nicate with clier	nt L. Melher	m re Sta	ff and in	terveno	ors' propose	ed edits to set	dement
	Reason for Ad	ijustme	022 - Amount adjusted by 5 18 ant: Discount Agreement stor: 7% discount to vendor fe	es per billing d		reement					
	09/26/2022	Fee	IL160 Settlement/Non-Binding ADR	Green, Stephanie	245.00	0.30	5.14	0.00	0.00		68.36
	Activity: A108	Comm	unicate (other external)								
39			ent/Non-binding ADR Commun ttlement Activities.	nicate with othe	er external .	J. Harrisi	on and S	S. Patel	re Staff's a	ipproval of set	tlement
	Reason for Ad	iju stme	022 - Amount adjusted by 5.14 ent: Discount Agreement stor: 7% discount to vendor fe	es per billing d		reement					
	09/26/2022	Fee	L160 Settlement/Non-Binding ADR	Green, Stephanie	245 00	0 30	5.14	0 00	0.00		68.36
			unicate (with client)	<u> </u>							'
40	Settlement Act	ivities.	ent/Non-binding ADR Commun			oh and [). Trevir	no to co	nfirm Sche	dule data /PU	CT-
			022 - Amount adjusted by 5 14 ent: Discount Agreement	- system, syst	erfi						

	•		ADR	Stephanie							<u></u>
			iunicate (with client) ent/Non-binding ADR Con	omunicate with also	nt I Malbai	m atal	ro nadio	o' ntana	and revine	no to cattlam	ant
			ettlement Activities.	amonicate will the	III L Weiner	ii et ai.	re partie	a brobe	Jaeu Tevisio	ins to settlem	ent
			022 - Amount adjusted by	3 43 - system, sys	tem						
			ent: Discount Agreement								
	· · · · · · · · · · · · · · · · · · ·	reque	estor: 7% discount to vend L160 Settlement/Non-Bi		T Ì						Т
	09/26/2022	Fee	ADR	Stephanie	245.00	0.30	5.14	0.00	0.00		68.36
	Activity: A108	3 Comm	nunicate (other external)		<u> </u>				!		
	Description:	Settlem	ent/Non-binding ADR Cor	nmunicate with other	er external p	oarties r	e update	d settle	ment pack	age for reviev	v and
42	finalization /PI	JCT-Se	ttlement Activities.								
	Adjustment:	10/13/2	022 - Amount adjusted by	514 evetom eve	tem						
			ent: Discount Agreement	o. 14 cyolom, cyo							
	Comments to	Reque	estor: 7% discount to vend		discount agi	reement					
- 1	0 9/26/2022	Fee	L160 Settlement/Non-Bi		245,00	08.0	13.72	0.00	0.00		182.28
1	Activity: A103	2 Droft 6	ADR	Stephanie	J		<u>l</u>				<u> </u>
			ent/Non-binding ADR Dra	ft/Revise settlemen	t document	s and in	corporat	e propo	sed revisio	ns provided b	ov TEAM
			T-Settlement Activities					- pp-			-, . <u>-</u> ,,
			022 - Amount adjusted by ent: Discount Agreement	13.72 - system, sy	stem						
			estor: 7% discount to vend	dor fees per billing	discount ag	reement					
	09/27/2022	Fee	L160 Settlement/Non-Bi		T T			0.00	0.00		172 05
	·		ADR	Patrick	370 00	0 50	12 95	0 00	0.00		172 00
	Activity: A10					-					
44			ent/Non-binding ADR Rev upporting memoranda, and					g of sett	tlement pac	kage, Comm	ission
17	otali preparati	011 01 30	apporting memoranda, and	a status report in o	0 1 -0ettieilit		illes.				
	Adjustment:	10/13/2	022 - Amount adjusted by	12 95 - system, sy	stem						
			ent: Discount Agreement								
	Comments to	Reque	estor: 7% discount to vene		discount agi	reement					
				0 5 6							
	09/27/2022	Fee	L160 Settlement/Non-Bi	_	370.00	0.30	7.77	0.00	0.00		103.23
			ADR	nding Pearsall. Patrick	370.00	0.30	7.77	0.00	0.00		103.23
	Activity: A10	Comm	ADR nunicate (with client)	Patrick	<u> </u>			<u>t</u>	ŀ	; package an	
	Activity: A10	6 Comm Settlem	ADR nunicate (with client) ent/Non-binding ADR Cor	Patrick	<u> </u>			<u>t</u>	ŀ	; package an	
	Activity: A100 Description: report /PUCT-	 6 Comm Settlem Settlem	ADR nunicate (with client) ent/Non-binding ADR Cor ent Activities.	Patrick nmunicate with clie	nt L. Melher			<u>t</u>	ŀ	; package an	
45	Activity: A100 Description: report /PUCT- Adjustment:	Comm Settlem Settlem	ADR nunicate (with client) ent/Non-binding ADR Core ent Activities. 022 - Amount adjusted by	Patrick nmunicate with clie	nt L. Melher			<u>t</u>	ŀ	; package an	
45	Activity: A100 Description: report /PUCT- Adjustment: Reason for A	 6 Comm Settlem Settlem 10/13/2 djustm	ADR nunicate (with client) ent/Non-binding ADR Cor ent Activities.	Patrick nmunicate with clie 7.77 - system, system fees per billing	nt L. Melher	m re pre	paration	<u>t</u>	ŀ	; package an	
45	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to	Comm Settlem Settlem 10/13/2 djustm Reque	ADR nunicate (with client) ent/Non-binding ADR Cor ent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to veno	Patrick nmunicate with clie 7 77 - system, system fees per billing Pearsall,	nt L. Melher tem discount ag	m re pre	paration	of stipe	ulation filing	; package an	d status
45	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to	Settlem Settlem 10/13/2 djustm Reque	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene	Patrick nmunicate with clie 7.77 - system, system fees per billing	nt L. Melher	m re pre	paration	<u>t</u>	ŀ	; package an	
45	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100	6 Comm Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/i	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings	Patrick nmunicate with clie 7.77 - system, system fees per billing Pearsall, Patrick	nt L. Melher tem discount ag 370 00	m re pre	paration	of stipu	ulation filing	; package an	d status
45	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100	6 Comm Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/i	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene	Patrick nmunicate with clie 7.77 - system, system fees per billing Pearsall, Patrick	nt L. Melher tem discount ag 370 00	m re pre	paration	of stipu	ulation filing	package an	d status
45 46	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description:	6 Comm Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/r Pleadin	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by	Patrick nmunicate with clie 7 77 - system, system fees per billing Pearsall, Patrick Port /PUCT-Non-Dis	nt L. Melher tem discount ag 370 00	m re pre	paration	of stipu	ulation filing	; package an	d status
45 46	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/i Pleadin 10/13/2 djustm	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement	Patrick nmunicate with clie 7 77 - system, system fees per billing Pearsall, Patrick ant /PUCT-Non-Dis 2 59 - system, sys	at L. Melher tem discount ag 370 00 scovery Plea	reemen 0 10 adings a	paration 2.59 nd Motic	of stipu	ulation filing	; package an	d status
45 46	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/i Pleadin 10/13/2 djustm	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene	Patrick nmunicate with clie 7 77 - system, system pearsall, Patrick and /PUCT-Non-District /PUCT-Non-District system, system system per billing	at L. Melher tem discount ag 370 00 scovery Plea	reemen 0 10 adings a	paration 2.59 nd Motic	of stipu	ulation filing	; package an	d status
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46	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description:	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/i Pleadin 10/13/2 djustm Reque Fee 4 Reviet Settlem	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR	Patrick nmunicate with clie 7 77 - system, system pearsall, Patrick part /PUCT-Non-Discort /PUCT-No	at L. Melher tem discount ag 370 00 scovery Plea tem discount ag 245 00	reement 0 10 adings a reement 0 80	2.59 nd Motic	0 00 ons	Ulation filing		34.41 182.28
46	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/i Pleadin 10/13/2 djustm Reque Fee 4 Reviet Settlem	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR w/analyze	Patrick nmunicate with clie 7 77 - system, system pearsall, Patrick part /PUCT-Non-Discort /PUCT-No	at L. Melher tem discount ag 370 00 scovery Plea tem discount ag 245 00	reement 0 10 adings a reement 0 80	2.59 nd Motic	0 00 ons	Ulation filing		34.41 182.28
46 47	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Activity: A100 Description:	Settlem Settlem 10/13/2 djustm p Reque Fee 3 Draft/i Pleadin 10/13/2 djustm p Reque Fee 4 Revier Settlem tivities.	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR w/analyze ent/Non-binding ADR Rev	Patrick nmunicate with clie 7 77 - system, system, system pearsall, Patrick part /PUCT-Non-Districk 2 59 - system, system per billing Green, Stephanie	at L. Melher tem discount ag 370 00 scovery Plea tem discount ag 245 00 repare settle	reement 0 10 adings a reement 0 80	2.59 nd Motic	0 00 ons	Ulation filing		34.41 182.28
46 47	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Activity: A100 Adjustment: Activity: A100 Adjustment: Activity: A100 Adjustment:	Settlem Settlem 10/13/2 djustm p Reque Fee 3 Draft/n Pleadin 10/13/2 djustm p Reque Fee 4 Revier Settlem tivities.	ADR nunicate (with client) ent/Non-binding ADR Cor- ent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR w/analyze ent/Non-binding ADR Rev 022 - Amount adjusted by	Patrick nmunicate with clie 7 77 - system, system system pearsall, Patrick part /PUCT-Non-Discount /PUCT-	at L. Melher tem discount ag 370 00 scovery Plea tem discount ag 245 00 repare settle	reement 0 10 adings a reement 0 80	2.59 nd Motic	0 00 ons	Ulation filing		34.41 182.28
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46 47 48	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Ac Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Ac Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Ac Adjustment: Reason for A	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/r Pleadin 10/13/2 djustm Reque Fee 4 Revier Settlem tivities. 10/13/2 djustm Reque Fee 6 Comn Settlem tivities. 10/13/2 djustm	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR w/analyze ent/Non-binding ADR Rev 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR nunicate (with client) ent/Non-binding ADR Core 022 - Amount adjusted by ent: Discount Agreement	Patrick mmunicate with clie 7 77 - system, system, system pearsall, Patrick Port /PUCT-Non-Districk 2 59 - system, system green, Stephanie 13.72 - system, system green, Stephanie 13.72 - system, system green, Stephanie mmunicate with clies 5.14 - system, system	ant L. Melher tem discount ag	reement preement preemet preement preem	2.59 nd Motic 13.72 ackage f	0 000 ons	0.00 0.00 review and	filing /PUCT	34.41 182.28
46 47 48	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Activity: A100 Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Activity: A100 Description:	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/r Pleadin 10/13/2 djustm Reque Fee 4 Revier Settlem tivities. 10/13/2 djustm Reque Fee 6 Comn Settlem tivities. 10/13/2 djustm	ADR nunicate (with client) ent/Non-binding ADR Cor- ent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR w/analyze ent/Non-binding ADR Rev 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR nunicate (with client) ent/Non-binding ADR Cor 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR nunicate (with client) ent/Non-binding ADR Cor 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene 022 - Amount adjusted by ent: Discount Agreement	Patrick nmunicate with clie 7 77 - system, system, system pearsall, Patrick Patrick 2 59 - system, system, system per billing Green, Stephanie 13.72 - system, system produced per billing Green, Stephanie municate with clies 5.14 - system, system per billing Green, Stephanie	ant L. Melher tem discount ag	reement preement preemet preement preem	2.59 nd Motic 13.72 ackage f	0 000 ons	0.00 0.00 review and	filing /PUCT	34.41 182.28
46 47 48	Activity: A100 Description: report /PUCT- Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Ac Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Ac Adjustment: Reason for A Comments to 09/27/2022 Activity: A100 Description: Settlement Ac Adjustment: Reason for A	Settlem Settlem 10/13/2 djustm Reque Fee 3 Draft/r Pleadin 10/13/2 djustm Reque Fee 4 Revier Settlem tivities. 10/13/2 djustm Reque Fee 6 Comn Settlem tivities. 10/13/2 djustm	ADR nunicate (with client) ent/Non-binding ADR Corent Activities. 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L210 Pleadings revise gs Draft/Revise status rep 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR w/analyze ent/Non-binding ADR Rev 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vene L160 Settlement/Non-Bi ADR nunicate (with client) ent/Non-binding ADR Core 022 - Amount adjusted by ent: Discount Agreement	Patrick nmunicate with clie 7 77 - system, system, system pearsall, Patrick Patrick 2 59 - system, system, system per billing Green, Stephanie 13.72 - system, system produced per billing Green, Stephanie municate with clies 5.14 - system, system per billing Green, Stephanie	ant L. Melher tem discount ag	reement preement preemet preement preem	2.59 nd Motic 13.72 ackage f	0 000 ons	0.00 0.00 review and	filing /PUCT	34.41 182.28

			2022 - Amount adjusted by 3.43 nent: Discount Agreement	- system, sys	tem						
			estor: 7% discount to vendor fe	es per billing (discount ag	reement					
	09/27/2022	Fee	L160 Settlement/Non-Binding ADR		245 00	0 40	6.86	0 00	0.00		91 14
50		Settlen	nent/Non-binding ADR Draft/Rev	'		Settleme	ent Activ	ities.			
	•		2022 - Amount adjusted by 6.86	- system, syst	tem						
		-	nent: Discount Agreement estor: 7% discount to vendor fe		discount ag	reement					
	09 <i>1</i> 27 <i>1</i> 2022	Fee	L160 Settlement/Non-Binding ADR	Green, Stephanie	245 00	0 60	10.29	0 00	0.00		136.71
51	Description: settlement do Adjustment: Reason for A	Settlem cument 10/13/2 djustn	municate (other external) nent/Non-binding ADR Communits with Staff affidavits /PUCT-Set 2022 - Amount adjusted by 10.25 nent; Discount Agreement estor: 7% discount to vendor fer	ttlement Activ	ities. stem	•	·	tatus repo	ort in anti	cipation of filin	g

Completed Requests

item			Requestor		Request Date	Completion Date	Comment	Outcome
1			Duggins Wi Romero, LL	ren Mann & .P	10/13/2022	10/14/2022		Approved
1	Approva	l History						
	Stop	Approval History Stop Performer		Activity	Date/Time		Internal Comm	nent
	1	Melhem, Leil	1	Approved	10/14/2022 10.5	1 AM		

Header Information

Invoice Number: 38738 Billing Start Date: 10/05/2022

Billing End Date: 10/31/2022 Vendor: Duggins Wren Mann & Romero, LLP

Address: 600 Congress Ave Suite 1900, Austin, TX, 78701, United States of America

Tax ID: 27-5110427

Invoice Date: 11/11/2022 Submitted Total: \$1719 00 Received Date: 11/11/2022 Submitted Currency: USD Tax Rate: 0.00%

Project: AEP062032-AEP Texas 2022 EECRF - PUCT Docket No. 53679 PS Voucher: 00340866 Posting Status: Posted

Approved Total: \$1598 67

Invoice Summary

Туре	Rate x Units	Discount	AEP Disc	Adjustment	AEP Split	Tax	Amount
Fees	1719.00	0 00	120 33	0 00	0 00	0 00	1598.67
Expenses	0.00	0.00	N/A	0 00	0 00	0 00	0.00
Invoice Total	1719.00	0 00	120 33	0.00	0 00	0 00	1598.67

tem	Date	Туре	Category	тк	Rate	Units	AEP Disc	Disc	Adj	AEP Split	Amt
	10/05/2022	Fee	L160 Settlement/Non- Binding ADR	Green, Stephanie	245 00	0.20	3.43	0.00	0.00		45.57
1	Description: Activities. Adjustment:	Settlem 11/11/2	nunicate (other external) ent/Non-binding ADR Com 022 - Amount adjusted by			al J Hari	rison fror	n Staff	re Staff affida	ivit /PUCT-S	ettlement
			ent: Discount Agreement estor: 7% discount to vend	or fees per billing	discount a	agreeme	nt				
	10/05/2022	Fee	L160 Settlement/Non- Binding ADR	Green, Stephanie	245.00	0.10	1.72	0.00	0.00		22.78
2	Description: Settlement Adjustment: Reason for A	Settlem stivities. 11/11/2 Adjustm	nunicate (with client) ent/Non-binding ADR Com 022 - Amount adjusted by ent: Discount Agreement estor: 7% discount to vend	1.72 - system, sy	rstem			AEP E	ECRF filing ar	nd affidavit /F	PUCT-
	10/06/2022	Fee	L160 Settlement/Non- Binding ADR	Green, Stephanie	245.00	ī	,	0.00	0.00		68.36
			nunicate (other external)		_						
3	Description: from Staff /PU Adjustment: Reason for A	Settlem JCT-Set 11/11/2 Adjustm	ent/Non-binding ADR Content/Non-binding ADR Content telement Activities. 2022 - Amount adjusted by tent: Discount Agreement	5.14 - system, sy	rstern			iling of	settlement do	ocuments an	d affidavit
3	Description: from Staff /PU Adjustment: Reason for A	Settlem JCT-Set 11/11/2 Adjustm	ent/Non-binding ADR Content/Non-binding ADR Content Activities. 2022 - Amount adjusted by	5.14 - system, sy	rstern	agreeme	ent	iling of			
3	Description: from Staff /PU Adjustment: Reason for A Comments to 10/06/2022 Activity: A10 Description: /PUCT-Settle: Adjustment: Reason for A	Settlem JCT-Set 11/11/2 Adjustm o Reque Fee 6 Comm Settlem ment Ac 11/11/2 Adjustm	tent/Non-binding ADR Contitlement Activities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR continuous (with client) tent/Non-binding ADR Contitlement/Non-binding ADR Contitlement/Non	5.14 - system, sy for fees per billing Green, Stephanie Imunicate with cl	g discount 245.00 ient L. Mell	agreeme 0.10 nem re u	1.72	0.00	0.00		22.78
	Description: from Staff /PU Adjustment: Reason for A Comments to 10/06/2022 Activity: A10 Description: /PUCT-Settler Adjustment: Reason for A Comments to	Settlem JCT-Set 11/11/2 Adjustm o Reque Fee 6 Comm Settlem ment Ac 11/11/2 Adjustm o Reque	nent/Non-binding ADR Contitlement Activities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR contivities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR.	5.14 - system, sy for fees per billing Green, Stephanie Imunicate with cl	g discount 245.00 ient L. Mell	agreeme 0.10 nem re u	1.72 pdate ar	0.00	0.00 for filing settl	ement docur	22.78 πents
	Description: from Staff /PU Adjustment: Reason for A Comments to 10/06/2022 Activity: A10 Description: /PUCT-Settle: Adjustment: Reason for A Comments to 10/06/2022 Activity: A10 Description: Adjustment: Adjustment: Adjustment: Adjustment: Adjustment: Adjustment:	Settlem JCT-Set 11/11/2 Adjustm o Reque Fee 6 Comm Settlem ment Ac 11/11/2 Adjustm o Reque 4 Revie Settlem 11/11/2	nent/Non-binding ADR Contitlement Activities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend a L160 Settlement/Non-binding ADR Contivities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend estor: 7% discount to vend a L160 Settlement/Non-binding ADR contitles. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend ent/Non-binding ADR ent/Non-binding ADR ent/Non-binding ADR Rev	5.14 - system, stephanie	g discount 245.00 ient L. Mell /stem g discount 245.00 update set	agreeme 0.10 nem re u agreeme	1.72 pdate ar ant 3.43	0.00 nd plan	0.00 for filing settl	ement docur	22.78 ments 45.57
4	Description: from Staff /PU Adjustment: Reason for A Comments to 10/06/2022 Activity: A10 Description: /PUCT-Settle: Adjustment: Reason for A Comments to 10/06/2022 Activity: A10 Description: Adjustment: Reason for A Statistical Reason for A Stat	Settlem JCT-Set 11/11/2 Adjustmo Reque Fee 6 Comn Settlem ment Ad 11/11/2 Adjustmo Reque Fee 14 Revie Settlem 11/11/2 Adjustm	nent/Non-binding ADR Contitlement Activities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR contivities. 2022 - Amount adjusted by tent/Non-binding ADR contivities. 2022 - Amount adjusted by tent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR ew/analyze tent/Non-binding ADR Rev	5.14 - system, system, system, system, system, system, system, system, system/Stephanie	g discount 245.00 ient L. Mell /stem g discount 245.00 update set	agreeme 0.10 nem re u agreeme 0.20	1.72 pdate ar ant 3.43 package	0.00 nd plan	0.00 for filing settl	ement docur	22.78 ments 45.57

	Reason for A	djustm	022 - Amount adjusted by 3.4 ant: Discount Agreement astor: 7% discount to vendor			greemen	ı +	Ī	· · · · · ·		
	10/06/2022	Fee	L160 Settlement/Non- Binding ADR	Pearsall,	370.00		5.18	0.00	0 00		68.82
	Activities.	Settlem		/Analyze issues		ing and fi	ling sett	lement	package /PL	JCT-Settlemen	ıt
	Reason for A	djustm	ent: Discount Agreement stor: 7% discount to vendor			greemen	ıt				
	10/07/2022	Fee	L160 Settlement/Non- Binding ADR	Green, Stephanie	245.00	0.60	10.29	0.00	0.00		136.71
8	Activities.	Settlem	v/analyze ent/Non-binding ADR Review 022 - Amount adjusted by 10.			alize setti	ement p	ackage	e for fili ng /P U	JCT-Settlemen	nt
	Reason for A	djustm	ent: Discount Agreement stor: 7% discount to vendor	fees per billing		greemen	ıt				
	10/07/2022	Fee	L160 Settlement/Non- Binding ADR	Pearsall, Patrick	370.00	0.30	7.77	0.00	0 00		103.23
9	Settlement Ac Adjustment: Reason for A	Settlem: livities. 11/11/20 djustm	w/analyze ent/Non-binding ADR Review 022 - Amount adjusted by 7.7 ent: Discount Agreement estor: 7% discount to vendor	7 - system, sys	tem			e and	motion to ren	nand /PUCT-	
	10/07/2022	Fee	L160 Settlement/Non- Binding ADR	Pearsall,	370.00		2.59	0.00	0.00		34.41
10	Adjustment: Reason for A	Settlem 11/11/20 djustm	w/analyze ent/Non-binding ADR Review D22 - Amount adjusted by 2.5 ent: Discount Agreement estor: 7% discount to vendor	9 - system, sys	tem			stipula	tion /PUCT-8	Settlement Acti	vi ties .
	10/24/2022	Fee	L160 Settlement/Non-	Pearsall,	370.00		5.18	0 00	0.00		68.82
11	stipulation /Pt. Adjustment: Reason for A	Settleme ICT-Set 11/11/20 djustm	Binding ADR w/analyze ent/Non-binding ADR Review ttement Activities 022 - Amount adjusted by 5.1 ent: Discount Agreement estor: 7% discount to vendor	8 - system, sys	tem			s supp	orting applic a	ition, EEPR, ai	nd
	10/24/2022	Fee	L160 Settlement/Non- Binding ADR	Pearsall,	370.00		2.59	0.00	0.00		34.41
12	Description: : workpapers /P Adjustment: Reason for A	Settleme OCT-Se 11/11/20 djustme	unicate (other external) ent/Non-binding ADR Communication Activities. 222 - Amount adjusted by 2.5 ent: Discount Agreement estor: 7% discount to vendor	unicate with oth	tem			re requ	uest for nat ive	e versions of	;
	10/24/2022	Fee	L160 Settlement/Non-	Green,	245.00		3.43	0.00	0.00		45.57
13	Activity: A100 Description: S EECRF filing / Adjustment: Reason for A	Review Settleme PUCT-S 11/11/24 djustm	ent/Non-binding ADR Review Settlement Activities. 222 - Amount adjusted by 3.4 ent: Discount Agreement	l3 - system, sys	s re M. Ho	venkamp	reques		L.	es and tables o	ıf
	10/26/2022	Fee	stor: 7% discount to vendor L160 Settlement/Non-	Green,	245 00		1.72	0.00	0.00		22.78
			Binding ADR unicate (with client)	Stephanie	243 00	0.10	1.12	0.00	0.00		22.10
	Description: 3 Activities. Adjustment: 3	Settlem 11/11/20	ent/Non-binding ADR Commu			erioh and	R. Cava	izos r o	OPDM requi	est /PUCT-Sett	dement

·	Andhelten A10	é Como	Binding ADR nunicate (with client)	Stephanie	<u> </u>						<u> </u>
			ent/Non-binding ADR Com	municate with clie	ent P Oster	ich and	D Trevi	no re fi	lina scheduli	es and EEPR	
			ettlement Activities.								
	.		2000 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4								
			2022 - Amount adjusted by tent: Discount Agreement	686 - system, sys	stem						
			estor: 7% discount to vend	lor fees per billing	discount ag	reemen	ıt				
	10/27/2022	Fee	L160 Settlement/Non-	Green,	245.00	0.30	5.14	0.00	0.00		68.3
			Binding ADR	Stephanie	240.00	0.50	5.14	0.00	0.00		00.5
	Activity: A10									and OPDM a	
6	/PUCT-Settler		ent/Non-binding ADR Revi	iew/Analyze attacr	iments and	morma	nion reia	itea to i	EEFR lables	and OPDM II	equesi
			2022 - Amount adjusted by	5.1 4 - system, sys	item						
			ent: Discount Agreement estor: 7% discount to vend	lor foce per hilling	discount ac	reemen					
		T -	L160 Settlement/Non-	Pearsall.		Ī				1	T
	10/27/2022	Fee	Binding ADR	Patrick	370.00	0.40	10.36	0.00	0.00		137.6
	Activity: A10			•							
_		Settlerr	ent/Non-binding ADR Revi	iew/Analyze issue	s re native t	files sup	porting	EEPR a	and settleme	nt /PUCT-Set	tlement
7	Activities.										
	Adjustment:	11/11/2	2022 - Amount adjusted by	10.36 - system, sy	vstem						
	Reason for A	ldjustm	ent: Discount Agreement								
	Comments to	Requ	estor: 7% discount to vend		discount ag	reemen	ıt				
	10/28/2022	Fee	L160 Settlement/Non- Binding ADR	Green, Stephanie	245.00	0.20	3.43	0.00	0 00		45.5
	Activity: A10	6 Comr	nunicate (with client)	Oteprianie	<u> </u>	Į.				<u>. </u>	<u> </u>
			nent/Non-binding ADR Com	nmunicate with clie	ent R. Cava:	zos, P. (Osterloh	, D. Tre	evino re OPE	M request for	г
8	information /P	UCT-S	ettlement Activities.								
			MAN								
					. 4						
			2022 - Amount adjusted by	3.43 - system, sys	stem						
	Reason for A	ldjustm	ent: Discount Agreement	•		reemen	ıt				
	Reason for A Comments to	djustm Reque		•	discount ag		1	0.00		<u> </u>	1 60.2
19	Reason for A Comments to 10/28/2022 Activity: A10	Fee 6 Comr	nent: Discount Agreement estor: 7% discount to vend	or fees per billing Green, Stephanie	discount ag 245.00	0.30	5.14	0.00 M requ	0.00 est for inform	<u> </u>	<u> </u>
19	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A	Fee 6 Commoditions Settlem calvities 11/11/2	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR Coment/Non-binding ADR coment: Discount Agreement	or fees per billing Green, Stephanie municate with clie 5.14 - system, sys	245.00 ant L Methe	0.30 em et al.	5.14 re OPD	1		<u> </u>	<u> </u>
19	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A	Fee 6 Commodition Settlem Statistics 11/11/2 Adjustmon Requirements (1997)	L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Com 2022 - Amount adjusted by nent: Discount Agreement estor: 7% discount to vend	for fees per billing Green, Stephanie municate with clis 5.14 - system, system system	discount ag 245.00 ent L Melhe stem discount ag	0.30 em et al.	5.14 re OPD	M requ		<u> </u>	<u> </u>
9	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A	Fee 6 Commodition Settlem Statistics 11/11/2 Adjustmon Requirements (1997)	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR Coment: Discount adjusted by nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-	Green, Stephanie municate with clie 5.14 - system, system fees per billing Green,	245.00 ant L Methe	0.30 em et al.	5.14 re OPD	M requ		nation /PUCT	·
9	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to	dijustmo Requestration Research Researc	L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Com 2022 - Amount adjusted by nent: Discount Agreement estor: 7% discount to vend	for fees per billing Green, Stephanie municate with clis 5.14 - system, system system	discount ag 245.00 ent L Melhe stem discount ag	0.30 om et al.	5.14 re OPD	M requ	est for inforn	nation /PUCT	-
	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description:	Fee 6 Common Requirements of the common Requirem	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR coment: Discount adjusted by nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR	for fees per billing Green, Stephanie municate with clie 5.14 - system, system fees per billing Green, Stephanie	245.00 ant L Metherstern discount at 245.00	0.30 em et al.	5.14 re OPD at 5.14	0 00	est for inform	nation /PUCT	68.3
	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10	Fee 6 Common Requirements of the common Requirem	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR coment: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client)	for fees per billing Green, Stephanie municate with clie 5.14 - system, system fees per billing Green, Stephanie	245.00 ant L Metherstern discount at 245.00	0.30 em et al.	5.14 re OPD at 5.14	0 00	est for inform	nation /PUCT	68.3
	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities.	Fee 6 Commodivities 11/11/2 dijustmo Require Fee 6 Commodivities Settlem	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR Coment/Non-bindin	for fees per billing Green, Stephanie municate with clie 5.14 - system, system fees per billing Green, Stephanie	245.00 ent L Mether stem discount at 245.00 ent P Oster	0.30 em et al.	5.14 re OPD at 5.14	0 00	est for inform	nation /PUCT	68.3
	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities.	Fee 6 Common Requirements of R	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR coment: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client)	for fees per billing Green, Stephanie municate with clie 5.14 - system, system fees per billing Green, Stephanie	245.00 ent L Mether stem discount at 245.00 ent P Oster	0.30 em et al.	5.14 re OPD at 5.14	0 00	est for inform	nation /PUCT	68.3
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	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A	Fee 6 Common Requirements of R	L160 Settlement/Non- Binding ADR nunicate (with client) nent/Non-binding ADR Com 2022 - Amount adjusted by nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non- Binding ADR nunicate (with client) nent/Non-binding ADR Com 2022 - Amount adjusted by nent: Discount Agreement estor: 7% discount to vend company and	for fees per billing Green, Stephanie 5.14 - system, system fees per billing Green, Stephanie 5.14 - system stephanie fruunicate with clie 5.14 - system, system fees per billing Green, Green,	245.00 ant L Mether stem discount ag 245.00 ant P Oster	0.30 em et al.	5.14 re OPD at 5.14 orkpape	0 00	est for inform	nation /PUCT	68.3
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221	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description:	Fee 6 Common Requirements of R	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR Coment/No	for fees per billing Green, Stephanie 5.14 - system, system for fees per billing Green, Stephanie for fees per billing Green, Stephanie 5.14 - system, system system fees per billing Green, Stephanie for fees per billing Green, Stephanie for fees per billing Green, Stephanie for fees per billing Green, Stephanie	discount agent L Metherstern discount agent P Oster discount Agent P	0.30 greemen 0.30 loh re w greemer 0.60 M Hove	5.14 re OPD at 5.14 rorkpape at 10.29 at 7.77	0 00 ers and	0.00 tables for file	ng /PUCT-Set	68.3 ttlement
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221	Reason for A Comments to 10/28/2022 Activity: A10 Description: Settlement Ac Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Activities. Adjustment: Reason for A Comments to 10/28/2022 Activity: A10 Description: Stipulation /Pli Adjustment: Reason for A	Adjustmon Requirements of Requ	nent: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR nunicate (with client) nent/Non-binding ADR Coment/Non-binding ADR Coment: Discount Agreement estor: 7% discount to vend L160 Settlement/Non-Binding ADR coment/Non-binding ADR Coment/Non-bind	for fees per billing Green, Stephanie 5.14 - system, system syst	discount ag 245.00 ant L Mether stem discount ag 245.00 ant P Oster discount ag 245.00 ndence for ystem discount ag 370.00 s re OPDM	0.30 greemen 0.30 cloh re w greemer 0.60 M Hove	5.14 re OPD at 5.14 orkpape at 10.29 onkamp	0 00 ers and	0.00 tables for file	ng /PUCT-Set	68.3 Itlement
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	10/31/2022	Fee	L160 Settlement/Non- Binding ADR	Green, Stephanie	245.00	0.20	3.43	0.00	0.00		45.5
24	Settlement Adjustment:	tivities. 11/11/2	nent/Non-binding ADR Comi 2022 - Amount adjusted by 3 ment: Discount Agreement			M. Hov	enkamp	re OPDN	A request fo	r information	<i>I</i> PUCT-
		•	•	or fees ner billing	discount ad	ireemen	t				
		•	estor: 7% discount to vendo L160 Settlement/Non- Binding ADR	or fees per billing Green, Stephanie	discount ag 245.00	0.10	t 1.72	0.00	0.00		22

Completed Requests

item	Request Name		Requestor	Request Date	Completion Date	Comment	Outcome
	Post Invo 1,598.67		Duggins Wren Mann & Romero, LLP	11/11/2022	11/15/2022		Approved
1	Approva	l History					
ļ.	Stop Performe		Activity	Date/Time		Internal Comr	nent
	1	Melhem, Leil	Approved	11/15/2022 11.2	8 AM		

Header Information

Invoice Number: 38921 Billing Start Date: 11/02/2022

Vendor:Duggins Wren Mann & Romero, LLPBilling End Date: 11/30/2022

Address: 600 Congress Ave Suite 1900, Austin, TX, 78701, United States of America

Tax ID: 27-5110427

Invoice Date: 12/12/2022 Submitted Total: \$1240 50
Received Date: 12/12/2022 Submitted Currency: USD

Project: AEP062032-AEP Texas 2022 EECRF - PUCT Docket No. 53679 Tax Rate: 0.00%

Posting Status: Posted PS Voucher: 00341475

Approved Total: \$1153 63

Invoice Summary

Туре	Rate x Units	Discount	AEP Disc	Adjustment	AEP Split	Tax	Amount
Fees	1240.50	0.00	86 87	0 00	0 00	0.00	1153.63
Expenses	0.00	0.00	N/A	0 00	0 00	0.00	0.00
Invoice Total	1240.50	0.00	86 87	0.00	0.00	0.00	1153.63

Line Items

tem	Date	Туре	Category	тк	Rate	Units	AEP Disc	Disc	Adj	AEP Split	Amt
	11/02/2022	Fee	L120 Analysis/Strategy	Green, Stephanie	245 00	0.20	3,43	0.00	0.00		45.5
1		Analysis	v/analyze /Strategy Review/Analyze II Case Strategy.	status of matte	er and rule	provisioi	ns conce	rning tii	ming for decisi	ion and effect	ive date
	Reason for A	djustme	022 - Amount adjusted by 3 ent: Discount Agreement stor: 7% discount to vende	•		t agreen	nent				
	11/03/2022	Fee	L120 Analysis/Strategy	Pearsall, Patrick	370.00	0.20	5.18	0.00	0.00		68.8
2	Activity: A10 Description: Strategy.		v/analyze i/Strategy Review/Analyze	issues re timin	g of order :	and oper	n meetin	g consi	deration /PUC	T-Overall Ca	se
	Reason for A	ldjustme	022 - Amount adjusted by 5 ent: Discount Agreement stor: 7% discount to vende	•	•	t agreen	ne n t				
	11/04/2022	Fee	L120 Analysis/Strategy	Pearsall, Patrick	370.00	0.10	2.59	0.00	0.00		34.4
3	Overall Case Adjustment: Reason for A	Analysis Strategy 12/12/20 Idjustmo	v/analyze //Strategy Review/Analyze /	2.59 - system, :	system	-		d rema	nding case to	Commission ,	PUCT-
3	Overall Case Adjustment: Reason for A	Analysis Strategy 12/12/20 Idjustmo	//Strategy Review/Analyze 022 - Amount adjusted by 2 ent: Discount Agreement	2.59 - system, :	system	t agreen	nent	Γ			
4	Overall Case Adjustment: Reason for A Comments to 11/04/2022 Activity: A10 Description: Overall Case Adjustment: Reason for A	Analysis Strategy 12/12/2 dijustmo Reque Fee 4 Reviev Other W Adminis 12/12/2 dijustmo dijustmo Adjustmo	WStrategy Review/Analyze 22 - Amount adjusted by 2 21: Discount Agreement 25: 7% discount to vende 25: 0 Other Written Motions/Submissions Wanalyze Written Motions and Submistration 22 - Amount adjusted by 2 21: Discount Agreement	2.59 - system, sor fees per billi Green, Stephanie sions Review/i	ng discoun 245.00 Analyze SC	0.10 OAH Ord	1.72 er No. 4	0.00	0.00		22.7
	Overall Case Adjustment: Reason for A Comments to 11/04/2022 Activity: A10 Description: Overall Case Adjustment: Reason for A	Analysis Strategy 12/12/20	WStrategy Review/Analyze 22 - Amount adjusted by 2 21: Discount Agreement 25: 7% discount to vende 25: 0 Other Written Motions/Submissions Wanalyze Written Motions and Submistration 22 - Amount adjusted by 2 21: Discount Agreement 25: 7% discount to vende L250 Other Written	2.59 - system, sor fees per billi Green, Stephanie sions Review/i	ng discoun 245.00 Analyze SC	0.10 OAH Ord	nent 1.72 er No. 4	0.00	0.00 ling case to C	ommission /F	22.79 PUCT-
	Adjustment: Reason for A Comments to 11/04/2022 Activity: A10 Description: Overall Case Adjustment: Reason for A Comments to	Analysis Strategy 12/12/20 Adjustmo Reque Fee 4 Review Other W Administration Reque 12/12/20 Adjustmo Reque Fee	WStrategy Review/Analyze 22 - Amount adjusted by 2 21: Discount Agreement 25: 7% discount to vende 25: 0 Other Written Motions/Submissions Wanalyze Written Motions and Submistration 22 - Amount adjusted by 2 21: Discount Agreement Stor: 7% discount to vende	2.59 - system, sor fees per billi Green, Stephanie sions Reviewh 1.72 - system, sor fees per billi	ng discoun 245.00 Analyze SC system	0.10 OAH Ord	nent 1.72 er No. 4	0.00	0.00 ling case to C	ommission /F	22.79 PUCT-
	Overall Case Adjustment; Reason for A Comments to 11/04/2022 Activity: A10 Description: Overall Case Adjustment: Reason for A Comments to 11/11/2022 Activity: A10	Analysis Strategy 12/12/20 Idjustmo Reque Fee 4 Review Other W Adminis 12/12/20 Idjustmo Reque Fee 6 Commother W	WStrategy Review/Analyze 22 - Amount adjusted by 2 21: Discount Agreement 25: The Motions/Submissions Wanalyze Witten Motions and Submistration 22 - Amount adjusted by 2 21: Discount Agreement 22 - Amount adjusted by 2 21: Discount Agreement 22 - Motions/Submissions 22 - Amount adjusted by 2 25: The Motions and Submissions World Witten Motions and Submissions Written Motions and Submissions	2.59 - system, sor fees per billi Green, Stephanie sions Review/i 1.72 - system, sor fees per billi Green, Stephanie	ng discoun 245.00 Analyze SC system ng discoun 245.00	0.10 OAH Ord	1.72 er No. 4 nent	0.00 remand	0.00 ding case to C	ommission /F	22.7 PUCT-
4	Overall Case Adjustment: Reason for A Comments to 11/04/2022 Activity: A10 Description: Overall Case Adjustment: Reason for A Comments to 11/11/2022 Activity: A10 Description: Discovery Ple Adjustment: Reason for A	Analysis Strategy 12/12/20 Adjustmo Reque Fee 4 Review Other W. Adminis 12/12/20 Adjustmo Reque Fee 6 Commother W. Addings a	WStrategy Review/Analyze 22 - Amount adjusted by 2 21: Discount Agreement 25: The Motions/Submissions Wanalyze Witten Motions and Submistration 22 - Amount adjusted by 2 21: Discount Agreement 22 - Amount adjusted by 2 21: Discount Agreement 22 - Motions/Submissions 22 - Amount adjusted by 2 25: The Motions and Submissions World Witten Motions and Submissions Written Motions and Submissions	2.59 - system, sor fees per billingreen, Stephanie sions Review/	ng discoun 245.00 Analyze SC system ng discoun 245.00 nicate with	t agreen 0.10 OAH Ord t agreen 0.10	er No. 4	0.00 remand	0.00 ding case to C	ommission /F	22.79 PUCT-

	Discovery Plea	dipas a	and Motions								1
	Adjustment: 1 Reason for Ad	2/12/20 djustma	022 - Amount adjusted by feat: Discount Agreement		•						
	Comments to	Reque	stor: 7% discount to vende	•	g discount	agreem	ent				
	11/17/2022	Fee	L210 Pleadings	Pearsall, Patrick	370.00	0.40	10.36	0.00	0.00		137.64
7	Activity: A104 Description: F		ı v/analyze ıs Review/Analyze issues ı		er /PUCT-	Overall	Case Str	ategy.			
	Reason for A	djustme	022 - Amount adjusted by 1 ent: Discount Agreement stor: 7% discount to vendo	•	·	agreem	ent				
	11/17/2022	Fee	L250 Other Written	Green,	245.00	1.20	·	0.00	0.00		273.42
			Motions/Submissions	Stephanie	240.00	1.20	20.00	0.00	0.00		£1 Q,74
8	Activity: A104 Description: 0 matter /PUCT-	Other W	v/analyze /ritten Motions and Submis scovery Pleadings and Mot	sions Review/A tions	nalyze and	l compa	re filed p	roposed	d order to OPI	OM proposed o	order in
	Reason for A	djustme	022 - Amount adjusted by 2	·	•						
	Comments to	Reque	stor: 7% discount to vendo IL250 Other Written	Green,	g aiscount	agreem					
	11/17/2022	Fee	Motions/Submissions	Stephanie	245.00	0.20	3.43	0.00	0.00		45.57
9	Description: (Other W	unicate (with client) fritten Motions and Submis f-Non-Discovery Pleadings	sions Communi	cate with o	lient L i	Melhem	etaire	potential corr	ections to OPI	OM
	Reason for A	djustme	022 - Amount adjusted by 3 ent: Discount Agreement		,						
	Comments to	Reque	stor: 7% discount to vendo		g discount	agreem	ent	r			
:	11/18/2022 Activity: A104	Fee Reviev	L210 Pleadings v/analyze	Pearsall, Patrick	370.00	0.20	5.18	0.00	0.00	ı	68.82
10			s Review/Analyze pleadin	g proposing cor	rections to	OPDM	propose	d order	/PUCT-Non-£	iscovery Plea	dings
	Reason for A	ijustme	022 - Amount adjusted by 5 ent: Discount Agreement stor: 7% discount to vendo	- '		agreem	ent				
	11/18/2022	Fee	L210 Pleadings	Green, Stephanie	245 00	0,30	5.14	0.00	0.00		68,36
11	Activity: A103 Description: F		evise gs Draft/Revise draft propo	sed order corre	ctions plea	ding /PU	JCT-Non	-Discov	ery Ple adings	and Motions	
	Reason for A	Sjustme	022 - Amount adjusted by 5 ent: Discount Agreement stor: 7% discount to vendo			agroom	ont				
_		_ ·	T	Green,	ī 1						
	11/18/2022	Fee	L210 Pleadings	Stephanie	245 00	0.10	1.72	0.00	0.00		22.78
12	Activity: A104 Description: F	Reviev Pleading	w/analyze gs Review/Analyze corresp	andence from J	Jackson,	P. Oste	rioh /PU	CT-Non	-Discovery Pi	eadings and N	fotions.
	Reason for A	iju stma	222 - Amount adjusted by 1 ≥nt: Discount Agreement stor: 7% discount to vende	•		agreem	ent				
	11/18/2022	Fee	L460 Post-Trial Motions	Green,	245.00	0.10	1.72	0.00	0.00		22.78
	Activity: A106	Comm	and Submissions unicate (with client) al Motions and Submission	Stephanie s Communicate						d order /PUC	
13	Discovery Plea	dings a	ind Motions.								
	Reason for A	djustme	022 - Amount adjusted by 1 ent: Discount Agreement stor: 7% discount to vendo			agreem	ent				
	11/21/2022	Fee	L210 Pleadings	Pearsall, Patrick	370.00	0.20	5.18	0.00	0.00		68.82
14	Activity: A101 Description: F Motions.		nd prepare for ps Plan and prepare for iss	ues re finalizing	correction	s to pro	posed or	der /PU	ICT-Non-Disc	overy Pleading	gs and
	Reason for A	djustme	022 - Amount adjusted by 5 ent: Discount Agreement stor: 7% discount to yondo		•		o				

Activity: A106 Communicate (with client) Description: Pleadings Communicate with client litigation team re review of and potential corrections to proposed order /PUCT-Non-Discovery Pleadings and Motions. Adjustment: 12/12/2022 - Amount adjusted by 2.59 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement 460 Post-Trial Motions Green, 11/21/2022 245.00 0.00 22.78 0.10 1.72 0.00 and Submissions Stephanie Activity: A104 Review/analyze Description: Post-Trial Motions and Submissions Review/Analyze L. Melhem questions re OPDM proposed order and proposed 16 corrections /PUCT-Non-Discovery Pleadings and Motions Adjustment: 12/12/2022 - Amount adjusted by 1.72 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement L460 Post-Trial Motions Green, 11/21/2022 245.00 0 10 0.00 0.00 22,78 Fee and Submissions Stephanie Activity: A104 Review/analyze Description: Post-Trial Motions and Submissions Review/Analyze J. Jackson correspondence related to pending questions from L. 17 Melhem /PUCT-Non-Discovery Pleadings and Motions. Adjustment: 12/12/2022 - Amount adjusted by 1.72 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement L460 Post-Trial Motions Green, 0.00 0.00 11/21/2022 245.00 0.20 3.43 45 57 and Submissions Stephanie Activity: A104 Review/analyze Description: Post-Trial Motions and Submissions Review/Analyze L. Melhem edits to draft proposed order corrections /PUCT-Non-18 Discovery Pleadings and Motions Adjustment: 12/12/2022 - Amount adjusted by 3.43 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement Green, L210 Pleadings 11/22/2022 Fee 245.00 0.00 45.57 0.20 3.43 0.00 Stephanie Activity: A104 Review/analyze Description: Pleadings Review/Analyze and finalize corrections to proposed order pleading /PUCT-Non-Discovery Pleadings and 19 Motions. Adjustment: 12/12/2022 - Amount adjusted by 3.43 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement ^Dearsall, 2.59 11/28/2022 L120 Analysis/Strategy 370.00 0.00 34.41 Fee 0.10 0.00 Patrick Activity: A104 Review/analyze Description: Analysis/Strategy Review/Analyze OPDM memo addressing corrections to proposed order /PUCT-Overall Case Strategy 20 Adjustment: 12/12/2022 - Amount adjusted by 2.59 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement L460 Post-Trial Motions Green. 11/28/2022 Fee 245.00 0.10 1.72 0.00 0.00 22 78 and Submissions Stephanie Activity: A104 Review/analyze Description: Post-Trial Motions and Submissions Review/Analyze corrected Proposed Order and memo of OPDM 21 Adjustment: 12/12/2022 - Amount adjusted by 1,72 - system, system Reason for Adjustment: Discount Agreement Comments to Requestor: 7% discount to vendor fees per billing discount agreement

Completed Requests

Ħ	em	Request Name Post Invoice for		<u> </u>		Request Date	Request Date Completion Date		Outcome
		Post Invoi 1,153.63 l		Duggins W Romero, U	ren Mann & _P	12/12/2022	12/12/2022		Approved
	1	Approva	History						-
		Stop	Performer		Activity	Date/Time		Internal Comm	nent
		1	Melhem, Leil	а	Approved	12/12/2022 04.5	3 PM		

Header Information

Invoice Number: 39036 Billing Start Date: 12/14/2022

Vendor: Duggins Wren Mann & Romero, LLP Billing End Date: 12/31/2022

Address: 600 Congress Ave Suite 1900, Austin, TX. 78701, United States of America

Tax ID: 27-5110427

Involce Date: 01/13/2023 Submitted Total: \$113.50
Received Date: 01/13/2023 Submitted Currency: USD

Project: AEP062032-AEP Texas 2022 EECRF - PUCT Docket No. 53679 Tax Rate: 0.00%

Posting Status: Posted PS Voucher: 00341840

Approved Total: \$105.56

Invoice Summary

Туре	Rate x Units	Discount	AEP Disc	Adjustment	AEP Split	Tax	Amount
Fees	113.50	0.00	7 94	0 00	0 00	0 00	105.56
Expenses	0.00	0.00	N/A	0 00	0.00	0 00	0.00
Invoice Total	113.50	0.00	7 94	0 00	0 00	0.00	

Line Items

Item	Date	Туре	Category	тк	Rate	Units	AEP Disc	Disc	AdJ	AEP Split	Amt
	12/14/2022	Fee	L250 Other Written Motions/Submissions	Green, Stephanie	245 00	0 20	3 43	0 00	0.00		45.57
1	Description: consent agent Adjustment:	Other W da 01/13/20	unicate (with client) /ritten Motions and Submir 223 - Amount adjusted by ent: Discount Agreement	3.43 - system,		client tea	am re fii	nal order o	consideration a	and placemer	nt on
			stor: 7% discount to vend		ng discoun	t agreen	nent				
	12/16/2022	Fee	L250 Other Written Motions/Submissions	Jones, Jackie	155.00	0.10	1.08	0.00	0.00		14.42
2	Adjustment: Reason for A	Other W 01/13/20 djustm	Inten Motions and Submit 023 - Amount adjusted by ent: Discount Agreement	1.08 - system,	system						
	†	- -	stor: 7% discount to vend IL250 Other Written	Green,	 		Τ	r			T
	12/19/2022	Fee	Motions/Submissions	Stephanie	245 00	0 20	3 43	0 00	0.00		45.57
3	Adjustment:	Other W 01/1 3/2 0	Vanalyze Inten Motions and Submit 023 - Amount adjusted by ent: Discount Agreement		•	al order	and Issi	es re filin	g of clean taril	f	

Completed Requests

Item	Reque	st Name	Requestor	Request Date	Completion Date	Comment	Outcome
	Post In 105.56		Duggins Wren Mann & Romero, LLP	01/13/2023	01/13/2023		Auto-Approved
1	Appro	val History					
	Stop	Performer	Activity		Date/Time	inte	mal Comment
	1	system	Auto-Approved on behalf of N	helhem, Leila	01/13/2023 08	'33 AM	



CITY ATTORNEY'S OFFICE

P.O. Box 220 McAllen, Texas 78505-0220 956-681-1090 Office 956-681-1099 Fax www.mcallen.net

December 30, 2022

Ms. Mellssa A. Gage American Electric Power Service Corp. 400 West 15th Street, Suite 1500 Austin, Texas 78701-1677

Re: Docket #53679; AEP Texas 2023 EECRF; Lloyd Gosselink; Inv. #97537120

Dear Ms. Gage:

Pursuant to Public Utility Regulatory Act §33.023, please remit to the City of McAllen, Texas the sum of **\$147.50** cover the fees and expenses of attorneys and consultants assisting the Steering Committee of Cities Served by AEP Texas Central Company in the above-referenced ratemaking proceeding.

The requested sum consists of fees and expenses of the following firm:

FIRM	DOCKET	PERIOD	BILL AMOUNT
Lloyd Gosselink	53679 - AEP Texas 2023 EECRF	November 2022	\$147.50

The billing has been reviewed by Cities and found to be consistent with ratemaking efforts authorized by Cities. The billing is reasonable.

Payment should be made to the City of McAllen immediately. The check should be made payable to the City of McAllen and should be addressed as follows:

CITY OF McALLEN – LEGAL DEPARTMENT
P. O. BOX 220 – McALLEN, TEXAS 78505-0220

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Saze J Town I Isaac J. Tawii City Attorney

UT:av encis.



816 Congress Avenue, Suite 1900 Austin, Texas 7870 1 Telephone: (512) 322-5800 Facsimile: (512) 472-0532

www.lglawfirm.com

December 27, 2022

Cities Served by AEP Texas Inc c/o City of McAllen Attn Isaac Tawil P O Box 220 McAllen, TX USA 78505-0220

Invoice: 97537120
Client: 3862
Matter: 13
Billing Attorney: JLM

Tex ID# 74-2308445

INVOICE SUMMARY

For professional services and disbursements rendered through November 30, 2022:

RE: AEP Texas 2023 EECRF Filing Dkt No 53679

Professional Services \$ 147.50
Total Disbursements \$.00

TOTAL THIS INVOICE \$147.50

Lloyd Gosselink Rochelle & Townsend, P.C.

Cities Served by AEP Texas Inc AEP Texas 2023 EECRF Filing Dkt No 53679 I.D.3862-13-JLM December 27, 2022 Invoice: 97537120

PROFESSIONAL SERVICES RENDERED

Date	Atty	Description Of Services Rendered	Hours
11/16/22	RMD	Review proposed order for possible corrections and exceptions.	.50
·		(Administration/Case Management)	

TOTAL PROFESSIONAL SERVICES

\$ 147.50

SUMMARY OF PROFESSIONAL SERVICES

Name	Staff Lovel	Hours	Rate	Total
Roslyn M Dubberstein	Associate	.50	295.00	147.50
TOTALS		_5 0		\$ 147.50

TOTAL THIS INVOICE

\$ 147.50



816 Congress Avenue, Suite 1900

Austin, Texas 7870i

Telephone: (5 | 2) 322-5800 Facsimile: (512) 472-0532

www.ighwihm.com

December 27, 2022

Cities Served by AEP Texas Inc. c/o City of McAllen Attn Isaac Tawl P O Box220 McAllen, TX 78505-0220 USA Client: Matter: 3862

13

Billing Atty:

JLM

REMINDER STATEMENT

RE: AEP Texas 2023 EECRF Filing Dkt No 53679

invoice Number	invoice Date	Fees	E xp ens es	Invoice Pa	yments / Credits	Balance
97533222	July 12, 2022	1,822.50	1,237.50	3,060.00	0.00	3,060.00
97533945	August 09, 2022	1,550.00	0.00	1,550.00	0.00	1,550.00
97534699	September 12, 2022	598.00	1,182.50	1,780.50	0.00	1,780.50
97535418	October 17, 2022	265.50	0.00	265.50	0.00	265.50
				Total Amou	nt Due:	\$6,656.00

AGED ACCOUNTS RECEIVABLE

0-30 Days	31-60 Days	61-90 Days	91-120 Days	Over 120 Days
_	-	265,50	1,780.50	4,610.00



CITY ATTORNEY'S OFFICE

P.O. Box220 McAllen, Texas 78505-0220 956-681-1090 Office 956-681-1099 Fax www.mcallen.net

August 12, 2022

Ms. Melissa A. Gage American Electric Power Service Corp. 400 West 15th Street, Suite 1500 Austin, Texas 78701-1677

Re: Docket #53679; AEP Texas 2023 EECRF; Lloyd Gosselink; Inv. #97533945

Dear Ms. Gage:

Pursuant to Public Utility Regulatory Act §33.023, please remit to the City of McAllen, Texas the sum of \$1,550.00 cover the fees and expenses of attorneys and consultants assisting the Steering Committee of Cities Served by AEP Texas Central Company in the above-referenced ratemaking proceeding.

The requested sum consists of fees and expenses of the following firm:

FIRM	DOCKET	PERIOD	BILL
			AMOUNT
Lloyd Gosselink	53679- AEP Texas 2023 EECRF	July 2022	\$1,550.00

The billing has been reviewed by Cities and found to be consistent with ratemaking efforts authorized by Cities. The billing is reasonable.

Payment should be made to the City of McAllen immediately. The check should be made payable to the City of McAllen and should be addressed as follows:

CITY OF McALLEN – LEGAL DEPARTMENT
P. O. BOX 220 – McALLEN, TEXAS 78505-0220

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Isaaca. Tawil

City Attorney

UT:av encis.



816 Congress Avenue, Suite 1900 Austin, Texas 78701 Telephone: (512) 322-5800 Facsimile: (512) 472-0532

www.lglawiirun.com

August 9, 2022

Cities Served by AEP Texas Inc c/o City of McAllen Attn Isaac Tawil P O Box 220 McAllen, TX USA 78505-0220

Invoice: 97533945 Client: 3862 Matter: 13

Billing Attorney: JLM

Tax ID# 74-2308445

INVOICE SUMMARY

For professional services and disbursements rendered through July 31, 2022:

RE: AEP Texas 2023 EECRF Filing Dkt No 53679

Professional Services \$1,550.00
Total Disbursements \$.00

TOTAL THIS INVOICE \$1,550.00

Lloyd Gosselink Rochelle & Townsend, P.C.

Cities Served by AEP Texas Inc AEP Texas 2023 EECRF Filing Dkt No 53679 I.D.3862-13-JLM August 9, 2022 Invoice: 97533945

PROFESSIONAL SERVICES RENDERED

Date	Atty	Description Of Services Rendered	Hours
7/19/22	RMD	Correspondence with K. Nalepa regarding proposed adjustments; review procedural schedule; confer with AEP counsel regarding settlement conference. (Administration/Case Management; Settlement)	.60
7/21/22	RMD	Confer with J. Mauldin regarding settlement conference logistics and request for hearing deadline. (Administration/Case Management)	.20
7/25/22	ЛМ	Confer with co-counsel on status of proceeding; approve affidavit supporting rate case expenses (Administration).	.90
<i>1/25/2</i> 2	RMD	Settlement conference; review rate case expense information in AEP's application; coordinate with P. Martinez to prepare rate case expense affidavit; review and file the same; confer with J. Mauldin regarding adjustments and procedural schedule. (Administration/Case Management; Settlement)	1.00
7/28/22	ЛМ	Prepare for call with AEP's counsel regarding proposed adjustments; call with counsel regarding same; follow-up correspondence (Administration).	.60
7/28/22	RMD	Confer with AEP counsel regarding counteroffier to Cities' proposed adjustments. (Administration/Case Management; Settlement)	.20
7/29/22	ЛM	Analyze AEP's second errata; review proposed settlement language for REPs; engage in settlement discussions (Administration).	.90

TOTAL PROFESSIONAL SERVICES

\$ 1,550.00

SUMMARY OF PROFESSIONAL SERVICES

Name	Staff Level	Hours	Rate	Total
Jamie L Mauldin	Principal	2.40	400.00	960.00
Roslyn M Dubberstein	Associate	2.00	295.00	590.00
TOTALS		4.40		\$1,550.00

TOTAL THIS INVOICE

\$1,550.00



CITY ATTORNEY'S OFFICE

P.O.Box220 McAllen, Texas 78505-0220 956-681-1090 Office 956-681-1099 Fax www.mcallen.ner

July 20, 2022

Ms. Melissa A. Gage American Electric Power Service Corp. 400 West 15th Street, Suite 1500 Austin, Texas 78701-1677

Re: Docket #53679; AEP Texas 2023 EECRF; Lloyd Gosselink; Inv. #97533222

Dear Ms. Gage:

Pursuant to Public Utility Regulatory Act §33.023, please remit to the City of McAllen, Texas the sum of \$3,060.00 cover the fees and expenses of attorneys and consultants assisting the Steering Committee of Cities Served by AEP Texas Central Company in the above-referenced ratemaking proceeding.

The requested sum consists of fees and expenses of the following firm:

FIRM	DOCKET	PERIOD	BILL
l			AMOUNT
Lloyd Gosselink	53679 - AEP Texas 2023 EECRF	June 2022	\$3,060.00

The billing has been reviewed by Cities and found to be consistent with ratemaking efforts authorized by Cities. The billing is reasonable.

Payment should be made to the City of McAllen immediately. The check should be made payable to the City of McAllen and should be addressed as follows:

CITY OF McALLEN – LEGAL DEPARTMENT
P. O. BOX 220 – McALLEN, TEXAS 78505-0220

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Isaad

City Attorney

IJT:av encls.



816 Congress Avenue, Suite 1900 Austin, Texas 78701 Telephone: (\$12) 322-5800 Facsinile: (512) 472-0532

www.lgiewfrm.com

July 12, 2022

Cities Served by AEP Texas Inc c/o City of McAllen Attn Isaac Tawil P O Box 220 McAllen, TX USA 78505-0220

Invoice: 97533222
Client: 3862
Matter: 13
Billing Attorney: JLM

Tax ID # 74-2308445

INVOICE SUMMARY

For professional services and disbursements rendered through June 30, 2022:

5.3679

RE: AEP Texas 2023 EECRF Filing Dkt No 52199

Professional Services \$1,822.50
Total Disbursements \$1,237.50

TOTAL THIS INVOICE \$3,060.00

Lloyd Gosselink Rochelle & Townsend, P.C.

Cities Served by AEP Texas Inc 5.3619 AEP Texas 2023 EECRF Filing Dkt No-52199-I.D.3862-13-JLM July 12, 2022 Invoice: 97533222

PROFESSIONAL SERVICES RENDERED

Date	Atty	Description Of Services Rendered	Hours
6/03/22	RMD	Draft engagement agreement for K. Nalepa; draft motion to intervene.	.40
		(Administration/Case Management)	
6/06/22	RMD	Draft client correspondence outlining key terms of filing; confer with J. Mauldin	.70
		regarding the same. (Administration/Case Management)	
6/08/22	RMD	Confer with J. Mauldin regarding city members; finalize and file motion to	.60
		intervene. (Administration/Case Management)	
6/14/22	ЛM	Call with K. Nalepa and co-counsel to discuss issues (Administration).	.10
6/14/22	RMD	Confer with J. Mauldin and K. Nalepa regarding proposed adjustments.	.20
		(Administration/Case Management)	
6/16/22	RMD	Finalize first request for information and approve for filing; coordinate with K.	.60
		Chambers regarding protective order certifications. (Administration/Case	
		Management; Discovery)	
6/20/22	RMD	Review and approve protective order certifications for filing; coordinate calendaring	.50
		of discovery deadlines. (Administration/Case Management)	
6/22/22	RMD	Review proposed procedural schedule and confer with K. Nalepa regarding the	.30
		same. (Administration/Case Management)	
6/23/22	RMD	Correspondence with AEP counsel regarding proposed procedural schedule.	.20
		(Administration/Case Management)	
6/26/22	RMD	Correspondence with AEP and intervenors regarding proposed procedural schedule.	.40
		(Administration/Case Management)	
6/27/22	RMD	Prehearing conference, correspondence with SOAH regarding technical issues.	1.40
4 110 100		(Administration/Case Management)	
6/30/22	JLM	Confer with co-counsel on status of proceeding; review correspondence regarding	.40
c 100 100	D) (D)	same (Administration).	
6/30/22	RMD	Confer with J. Mauldin regarding correspondence with AEP and intervenors.	.20
	······································	(Administration/Case Management)	

TOTAL PROFESSIONAL SERVICES

\$1,822.50

SUMMARY OF PROFESSIONAL SERVICES

Name	Staff Level	Hours	Rate	Total
Jamie L Mauldin	Principal	.50	400.00	200.00
Roslyn M Dubberstein	Associate	5.50	295.00	1,622.50
TOTALS		6.00		\$1,822.50

DISBURSEMENTS

Lloyd Gosselink Rochelle & Townsend, P.C.

53619 Cities Served by AEP Texas Inc 5367 AEP Texas 2023 EECRF Filing Dkt No 52199 I.D.3862-13-JLM

July 12, 2022

Invoice: 97533222

Date	Description	Amount
6/30/22	ReSolved Energy Cons Voucher#- 000113755 ReSolved Energy Consulting, LLC, Consultant Services, Professional services for June regarding AEP 22 EECRF 53679, 7/7/2022	1,237.50
	TOTAL DISBURSEMENTS	\$1,237.50
	TOTAL THIS INVOICE	\$3.060.00

ReSolved Energy Consulting, LLC

11044 Research Blvd, A-420 Austin, TX 78759

Invoice

DATE	INVOICE NUMBER
<i>7/7/</i> 2022	5052

BILL TO
Thomas Brocato
Lloyd Gosselink Law Firm
816 Congress Ave, # 1900
Austin, Tx 78701

PROJECT	
LG AEP 22 EECRF 53679	

	EG MEI 22 BBCIG 55077		
DESCRIPTION	HOURS	RATE	AMOUNT
Consulting (Nalepa)	4.5	275.00	1,237.50
		1	
Work Completed thru - June 30, 2022	TOT	TAL DUE	\$1,237.50

Monthly Recap

Karl Nalepa

Date	Task	Hours
June 9, 2022	Review filing and Identify Issues. Compile historical costs.	2.20
June 14, 2022	Prepare discovery. Call with Counsel to discuss issues.	1.30 0.50
June 15, 2022	Complete and send discovery to J. Mauidin for review.	0.50
June 27, 2022	Review errate and impacts.	0.50

4.50



CITY ATTORNEY'S OFFICE

P.O. Box 220 McAllen, Texas 78505-0220 956-681-1090 Office 956-681-1099 Fax www.mcallen.net

September 19, 2022

Ms. Melissa A. Gage American Electric Power Service Corp. 400 West 15th Street, Suite 1500 Austin, Texas 78701-1677

Re: Docket #53679; AEP Texas 2023 EECRF; Lloyd Gosselink; Inv. #97534699

Dear Ms. Gage:

Pursuant to Public Utility Regulatory Act §33.023, please remit to the City of McAllen, Texas the sum of \$1,780.50 cover the fees and expenses of attorneys and consultants assisting the Steering Committee of Cities Served by AEP Texas Central Company in the above-referenced ratemaking proceeding.

The requested sum consists of fees and expenses of the following firm:

FIRM	DOCKET	PERIOD	BILL
			AMOUNT
Lloyd Gosselink	53679- AEP Texas 2023 EECRF	August 2022	\$1,780.50

The billing has been reviewed by Cities and found to be consistent with ratemaking efforts authorized by Cities. The billing is reasonable.

Payment should be made to the City of McAllen immediately. The check should be made payable to the City of McAllen and should be addressed as follows:

CTTY OF MCALLEN – LEGAL DEPARTMENT
P. O. BOX 220 – McALLEN, TEXAS 78505-0220

Should you have any questions, please do not hesitate to contact me.

Sincerely,

City Attorney

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encis.



816 Congress Avenue, Suite 1900 Austin, Texas 78791 Telephone: (512) 322-5800 Facsimile: (512) 472-0532

www.lglawitran.com

September 12, 2022

Cities Served by AEP Texas Inc. c/o City of McAllen Attn Isaac Tawil PO Box 220 McAllen, TX USA 78505-0220

Invoice: 97534699 Client: 3862 Matter: 13 Billing Attorney:

Tax ID# 74-2308445

ЛM

INVOICE SUMMARY

For professional services and disbursements rendered through August 31, 2022:

RE: AEP Texas 2023 EECRF Filing Dkt No 53679

Professional Services \$ 598.00 **Total Disbursements** \$1,182.50

TOTAL THIS INVOICE \$1,780.50

Lloyd Gosselink Rochelle & Townsend, P.C.

Cities Served by AEP Texas Inc AEP Texas 2023 EECRF Filing Dkt No 53679 I.D.3862-13-JLM September 12, 2022 Invoice: 97534699

PROFESSIONAL SERVICES RENDERED

Date	Atty	Description Of Services Rendered	Hours
8/01/22	ЛМ	Calls and correspondence with AEP Texas regarding settlement of City issues; calls	.80
8/02/22	JLM	and correspondence with K. Nalepa regarding same (Administration). Review draft order requesting abatement; attend to client correspondence	40
6/02/22	TITIVE	(Administration).	.40
8/02/22	RMD	Draft client correspondence detailing settlement agreement; review and approve joint motion to abate. (Administration/Case Management; Settlement)	.40

TOTAL PROFESSIONAL SERVICES

\$ 598.00

SUMMARY OF PROFESSIONAL SERVICES

Name	Staff Level	Hours	Rate	Total
Jamie L Mauldin	Principal	1.20	400.00	480.00
Roslyn M Dubberstein	Associate	.40	295.00	118.00
TOTALS		1.60		\$ 598.00

DISBURSEMENTS

Date	Description	Amount
7/31/22	ReSolved Energy Cons Voucher # - 000114111 ReSolved Energy Consulting,	962.50
	LLC, Consultant Services, Professional services for July regarding AEP 22 EECRF	
	53679, 08/08/2022	
8/31/22	ReSolved Energy Cons Voucher # - 000114526 ReSolved Energy Consulting,	220.00
	LLC, Consultant Services, Professional services for August regarding AEP 22	
	EECRF 53679, 09/06/2022	

TOTAL DISBURSEMENTS

\$1,182.50

TOTAL THIS INVOICE

\$ 1,780.50

ReSolved Energy Consulting, LLC

11044 Research Blvd, A-420 Austin, TX 78759

Invoice

DATE	INVOICE NUMBER
8/8/2022	5077

BILL TO	
Thomas Brocato	
Lloyd Gosselink Law Firm	
816 Congress Ave, # 1900	
Austin, Tx 78701	

· <u> </u>		PROJECT	
	LG /	AEP 22 EECRF 536	579
DESCRIPTION	Hours	RATE	AMOUNT
Consulting (NALEPA)	3.5	275.00	962.50
-			
Work Completed thru - July 31, 2022	то	TAL DUE	\$962.50

Monthly Recap

Karl Nalopa

Date	Task	Hours
July 7, 2022	Review responses to discovery.	0.50
	Work on adjustments.	0.50
July 19, 2022	Complete and send proposed adjustments to R. Dubberstein.	1.00
July 20, 2022	Review responses to discovery.	0.50
July 25, 2022	Participate in settlement conference call. Send workpaper supporting Cities' adjustments to R.	
	Dubberstein.	0.70
July 28, 2022	Emails with J. Mauldin regarding settlement offer and response.	0.30

3.50

ReSolved Energy Consulting, LLC

11044 Research Blvd, A-420 Austin, TX 78759

Invoice

DATE	INVOICE NUMBER
9/6/2022	5095

BILL TO
Thomas Brocato
Lloyd Gosselink Law Firm
816 Congress Ave, # 1900
Austin, Tx 78701

		PROJECT		
	LG AEP 22 EECRF 53679			
DESCRIPTION	HOURS	RATE	AMOUNT	
Consulting (Nalepa)	0.8	275.00	220.00	
		}		
Work Completed thru - August 31. 2022	то	TAL DUE	\$220.00	

Monthly Recap

Karl Nalepa

Date	Task	Hours
August 1, 2022	Review errats and call with J. Mauldin to discuss settlement terms.	0.50
August 4, 2022	Review responses to discovery.	0.30

0.80



816 Congress Avenue, Suite 1900 Austin, Texas 78701 Telephone: (512) 322-5800 Facsimile: (512) 472-0532

www.lglawfrm.com

September 12, 2022

Cities Served by AEP Texas Inc do City of McAllen Attn Isaac Tawll P O Box220

McAllen, TX 78505-0220

USA

 Client:
 3862

 Matter:
 13

Billing Atty: JLM

REMINDER STATEMENT

RE: AEP Texas 2023 EECRF Filing Dkt No 53679

Invoice Number	Invoice Date	Fees	Expenses	Involce Total	Payments / Credits	Balance
97533222	July 12, 2022	1,822.50	1,237.50	3,060.00	0.00	3,060.00
97533945	August09,2022	1,550.00	0.00	1,550.00	0.00	1,550.00
				Total Ame	ount Due:	\$4,610.00

AGED ACCOUNTS RECEIVABLE

0-30 Days	31-60 Days	61-90 Days	91-120 Days	Over 120 Days
=	1,550.00	3,060.00	-	-

Lloyd Gosselink Rochelle & Townsend, P.C.

PUBLIC UTILITY COMMISSION OF TEXAS

APPLICATION OF

AEP TEXAS INC.

TO ADJUST ITS

ENERGY EFFICIENCY COST RECOVERY FACTOR AND RELATED RELIEF

DIRECT TESTIMONY OF

PAMELA D. OSTERLOH

FOR

AEP TEXAS INC.

JUNE 1, 2023

TESTIMONY INDEX

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I. INTRODUCTION

- Q. PLEASE STATE YOUR NAME, POSITION IN THE COMPANY, AND BUSINESS
 ADDRESS.
- 4 A. My name is Pamela D. Osterloh. I am the Energy Efficiency and Consumer Programs
- 5 Compliance Coordinator Principal for AEP Texas Inc. My business address is 539 N.
- 6 Carancahua, Corpus Christi, Texas 78401.

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- 7 Q. PLEASE STATE YOUR EDUCATIONAL AND PROFESSIONAL BACKGROUND.
- 8 A. I received a Bachelor of Science degree from Texas A&M University in 1986. I was
 9 first employed by and worked in various capacities and locations for Central Power and

res Payara, and a secondary

Light Company (the predecessor of AEP Texas Central Company) from April 1990

through May 1992. In June 1992, I accepted the position of Market Research Analyst

with West Texas Utilities Company (the predecessor of AEP Texas North Company).

In September 1997, I was appointed Demand Side Management (DSM) Resource

Evaluation Coordinator with Central and South West Services, Inc. (the corporate

service affiliate of Central and South West Corporation or CSW) located in Austin,

16 Texas. In that role, I was responsible for energy efficiency regulatory activities and

compliance for DSM activities for CSW in Texas. In April 1999, I transferred to Corpus

Christi with CSW and began work in my current role as Energy Efficiency and

Consumer Program Compliance Coordinator Principal for AEP Texas. In my current

position, I am responsible for implementing and administering energy efficiency

programs in compliance with the Public Utility Regulatory Act¹ (PURA) provisions

¹ PURA is codified at Tex. Util. Code Ann. §§ 11 001–66.016

1		and the Public Utility Commission of Texas (Commission) rules for such energy
2		efficiency programs. I hold professional certification from the Association of Energy
3		Engineers (AEE) as a Certified Energy Manager.
4	Q.	HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE ANY REGULATORY
5		AGENCY?
6	A.	Yes, I have previously filed testimony before the Commission in numerous energy
7		efficiency cost recovery factor (EECRF) dockets: Docket No. 35627; Docket
8		No. 36960; Docket No. 38208; Docket No. 39360; Docket No. 40359; Docket No.
9		41538; Docket No. 42508; Docket No. 44717; Docket No. 45929; Docket No. 47236;
10		Docket No. 48422; Docket No. 49592; Docket No. 50892; Docket No. 52199, and
11		Docket No. 53679.
12	Q.	DO YOU SPONSOR ANY OF THE SCHEDULES ACCOMPANYING AEP
13		TEXAS' FILING?
14	A.	Yes, I sponsor AEP Texas Schedules L through O, and R. In addition, I co-sponsor
15		Schedule A with witnesses Robert Cavazos and Jennifer L. Jackson; Schedule B with
16		witness Jackson; and Schedules J, P, and S with witness Cavazos.

II. P	URPOSE	OF TEST	IMONY
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2	O.	WHAT I	IS THE PURPOSE O	F YOUR	DIRECT	TESTIMONY?
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- The purpose of my testimony is to present information supporting AEP Texas' request 3 A. 4 to adjust its EECRF for program year (PY) 2024. In my direct testimony, I first outline the energy efficiency goals established by PURA § 39.905. I also discuss the impact of 5 6 the identification notice provided for in 16 Tex. Admin. Code (TAC) § 25.181(u). I 7 then present the actual energy efficiency expenditures incurred by AEP Texas for its 8 PY 2022 programs, including Evaluation, Measurement and Verification (EM&V) 9 costs incurred in PY 2022. I describe each of the programs AEP Texas implemented 10 during PY 2022. Finally, I present the projected costs and the plans and programs AEP Texas will implement to achieve its energy efficiency objectives for PY 2024. 11
- 12 Q. PLEASE SUMMARIZE YOUR TESTIMONY.
- 13 A. My testimony demonstrates the following:
 - AEP Texas' costs incurred in connection with its PY 2022 energy efficiency programs were reasonable and necessary to provide energy efficiency to residential and commercial customers and were properly incurred consistent with 16 TAC §§ 25.181 and 25.182;
 - AEP Texas' statutory minimum goals to be achieved in PY 2024 are 21.55 MW of demand reduction and 37,756 MWh of energy reduction and are calculated in compliance with 16 TAC § 25.181; and
 - The \$18,927,908 that AEP Texas projects it will incur in PY 2024 is a reasonable estimate of the costs (including EM&V) necessary to provide energy efficiency programs designed to meet AEP Texas' energy efficiency objectives for PY 2024 in furtherance of PURA § 39.905 and 16 TAC § 25.181.

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2		A. Statutory and Regulatory Requirements
3	Q.	PLEASE DESCRIBE THE BASIC REQUIREMENTS OF PURA § 39.905 AS
4		RELEVANT TO YOUR TESTIMONY.
5	A.	The requirements of PURA § 39.905 as relevant to my testimony are:
6 7 8 9		 A utility must provide incentives adequate for the purpose of acquiring cost-effective energy efficiency equivalent to at least 30% of the electric utility's annual growth in demand of residential and commercial customers beginning with the 2013 program year; but not less than the previous year.
11 12 13 14 15		 Once the utility's demand reduction goal is equivalent to at least four- tenths of one percent of its summer weather-adjusted peak demand for the combined residential and commercial customers for the previous calendar year, the utility's goal shall be four-tenths of one percent of its summer weather-adjusted peak demand for the combined residential and commercial customers but not less than the previous year.
17 18		 A utility must provide incentives through market-based standard offer programs (SOPs) or targeted market transformation programs (MTPs).
19 20 21 22		 A utility must provide incentives in such a manner that retail electric providers (REPs) and competitive energy efficiency service providers (EESPs) install the measures that produce the energy efficiency necessary to meet the utility's mandated annual goal.
23	Q.	HAS THE COMMISSION ADOPTED RULES TO IMPLEMENT PURA § 39.905?
24	A.	Yes, the Commission adopted 16 TAC §§ 25.181 and 25.182 to implement PURA
25		§ 39.905.
26	Q.	WHAT ARE SOME OF THE KEY COMPONENTS OF 16 TAC §§ 25.181 and
27		25.182?
28	A.	The key components of 16 TAC §§ 25.181 and 25.182 relevant to my testimony are:
29 30		 A utility shall adjust its EECRF to timely recover forecasted annual energy efficiency program costs, the preceding year's over- or under-
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III. ENERGY EFFICIENCY REQUIREMENTS AND OBJECTIVES

recovery including municipal and utility EECRF proceeding expenses, any performance bonus earned, and EM&V costs assigned to the utility.

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- A utility may use up to 15% of its total program costs for administration of its energy efficiency programs.
- A utility may use up to 10% of the previous program year's costs to perform necessary energy efficiency research and development (R&D) to foster continuous improvement and innovation in the application of energy efficiency technology and energy efficiency program design and implementation.
- The cumulative cost of administration and R&D shall not exceed 20% of a utility's total program costs.
- An EM&V framework is included to evaluate program portfolio performance and to measure and verify estimated demand and energy impacts reported for those programs.
- Qualifying industrial customers taking electric service at distribution voltage may submit a notice to identify metering points for their industrial processes, which allows those metering points to not be charged for any costs associated with programs provided through the EECRF nor shall the identified facilities be eligible to participate or receive incentives for a three-year period.

21 Q. HOW DOES AEP TEXAS IMPLEMENT THESE REQUIREMENTS?

AEP Texas develops and offers cost-effective energy efficiency programs to third-party EESPs as defined in 16 TAC § 25.181(c)(17), who in turn market their services to enduse retail residential and commercial customers. These programs offer incentives to encourage third-party EESPs, REPs, and/or eligible commercial customers to participate as project sponsors of energy efficiency measures. The Commission's energy efficiency rule allows commercial customers with a peak demand of 50 kilowatts (kW) or greater to act as their own EESP for measures they install for themselves. The EESPs or project sponsors then supply and install the measures at homes or businesses that produce the energy efficiency savings that AEP Texas reports to satisfy its energy efficiency objectives. Energy efficiency objectives and goals are

4 4 4

1	established annually, so that each year AEP Texas may procure the necessary demand
2	reduction and energy savings from participating project sponsors to meet AEP Texas'
3	objectives for that year. The energy efficiency savings may be in the form of reduction
4	in summer or winter peak demand (kW), energy usage (kWh), or both. AEP Texas pays
5	incentives to the project sponsors for peak demand and energy savings resulting from
6	the energy efficiency measures installed according to program guidelines.

- 7 Q. PLEASE DEFINE THE TERM SOP.
- Pursuant to 16 TAC § 25.181(c)(55), a standard offer program is defined as a program under which a utility administers standard offer contracts between the utility and EESPs. A standard offer contract specifies standard payments based upon the amount of energy and peak demand savings achieved through energy efficiency measures, the applicable measurement and verification (M&V) protocols, and other terms and conditions, consistent with 16 TAC § 25.181.
- 14 Q. PLEASE DEFINE THE TERM MTP.

- 15 A. Pursuant to 16 TAC § 25.181(c)(37), a market transformation program is defined as a
 16 strategic program intended to induce lasting structural or behavioral changes in a
 17 market that result in the increased adoption of energy efficiency technologies, services,
 18 and practices.
 - B. Annual Demand Reduction Goal
- Q. PLEASE DESCRIBE THE DEMAND REDUCTION GOAL REQUIREMENT FOR
 AEP TEXAS.
- 22 A. Under 16 TAC § 25.181(e)(1), AEP Texas is required to acquire a 30% reduction of its
 23 annual growth in demand of residential and commercial customers until that goal is

1	equivalent to at least four-tenths of 1% (the trigger) of AEP Texas summer
2	weather-adjusted peak demand for the combined residential and commercial customers
3	for the previous program year. Once that trigger is reached, AEP Texas shall acquire
4	four-tenths of 1% of its summer weather-adjusted peak demand for the combined
5	residential and commercial customers for the previous program year. In addition,
6	16 TAC § 25.181(e)(1)(D) states that, except as adjusted in accordance with subsection
7	(u) of the rule, a utility's demand reduction goal in any year shall not be lower than its
8	goal for the prior year, unless the Commission establishes a goal for a utility pursuant
9	to paragraph (2) of 16 TAC § 25,181(e).

- 10 Q. HAS AEP TEXAS MET THE TRIGGER DESCRIBED IN 16 TAC 11 § 25.181(e)(1)(B)?
- 12 A. Yes, AEP Texas has met the trigger.
- Q. PLEASE DESCRIBE THE IDENTIFICATION NOTICE REFERENCED IN 16 TAC
 § 25.181.
- 15 A. 16 TAC § 25.181(u) states that an industrial customer taking electric service at
 16 distribution voltage that qualifies under subsection 16 TAC § 25.181(c)(30) may
 17 submit an identification notice to the utility for those metered points of delivery of the
 18 industrial process. The Electric Service Identifier (ESID) number(s) identified under
 19 this section are not to be charged for any costs associated with and will not be able to
 20 participate in energy efficiency programs for three years.
- Q. COULD THE IDENTIFICATION NOTICE REQUIREMENT AFFECT THE
 UTILITY'S CALCULATED GOAL FOR ENERGY EFFICIENCY?

1 4/

- 1 A. Yes. Pursuant to 16 TAC § 25.181(u) the utility's demand reduction goal must be
- 2 adjusted to remove any load identified as a result of the identification notice provision.
- 3 Q. WILL ANY SUCH NOTICES BE EFFECTIVE IN PY 2024?
- 4 A. Yes. AEP Texas received identification notices prior to February 1, 2023, for 219
- 5 ESIDs representing 46.89 MW.
- 6 O. WHAT IS AEP TEXAS' DEMAND REDUCTION GOAL FOR PY 2024?
- 7 A. AEP Texas' summer weather-adjusted five-year average peak demand at the meter for
- 8 residential and commercial customers for the previous five year (2018-2022) is 5,387
- 9 megawatts (MW), after adjustments under 16 TAC § 25.181(u) for industrial-customer
- exclusions. AEP Texas' calculated demand reduction goal for PY 2024—i.e., four-
- tenths of one percent of its summer weather-adjusted five-year average peak demand
- at the meter for residential and commercial customers—is 21.55 MW. The minimum
- 13 PY 2024 demand reduction goal is set forth in Schedule N. AEP Texas, however,
- projects it will achieve as much as 60.93 MW of demand reduction from the programs
- it will implement in PY 2024. As Mr. Cavazos explains in his testimony, AEP Texas
- interprets PURA § 39.905 and 16 TAC § 25.181 as intending to encourage as much
- 17 cost-effective energy efficiency as can reasonably be achieved.
- 18 Q. WERE LINE LOSSES INCORPORATED IN THE CALCULATION OF THE
- 19 DEMAND REDUCTION GOAL?
- 20 A. Yes. Calculation of the demand reduction goal used the line loss numbers derived from
- 21 the loss factors determined in AEP Texas' most recent line loss study.

1		C. Annual Energy Savings Goal
2	Q.	HOW IS THE ENERGY SAVINGS GOAL CALCULATED UNDER 16 TAC
3		§ 25.181?
4	A.	The minimum energy savings goal is calculated from the utility's calculated demand
5		goal, using a 20% conservation load factor, as set forth in 16 TAC § 25.181(e)(4).
6	Q.	WHAT IS AEP TEXAS' ENERGY SAVINGS GOAL TO BE ACHIEVED IN
7		PY 2024?
8	A.	The energy savings goal for AEP Texas to achieve in PY 2024 is 37,756 megawatt-
9		hour (MWh). The PY 2024 energy savings goal is set forth in Schedule N. However,
10		AEP Texas projects to achieve as much as 76,758 MWh of energy savings from the
П		programs it will implement in PY 2024. As I mentioned above and as Mr. Cavazos
12		explains in his testimony, AEP Texas interprets PURA § 39.905 and 16 TAC § 25.181
13		as intended to encourage utilities to achieve as much cost-effective energy efficiency
14		as can reasonably be achieved.
15		D. Process to Achieve Savings
16	Q.	WILL AEP TEXAS OFFER PROGRAMS TO ACHIEVE THESE PY 2024
17		SAVINGS?
18	A.	Yes, I discuss the programs that AEP Texas will offer in Section V. of my testimony.
19		AEP Texas' energy efficiency program portfolio is designed to achieve both its demand
20		reduction and energy savings objectives for PY 2024.

]	Q.	WILL ALL ELIGIBLE CUSTOMERS HAVE ACCESS TO ENERGY EFFICIENCY
2		PROGRAMS OFFERED BY AEP TEXAS?
3	A.	Yes, except for distribution-served industrial customers who have submitted an
4		identification notice pursuant to 16 TAC § 25.181(u), all customers in the residential
5		and commercial customer classes will have access to the energy efficiency programs
6		offered by AEP Texas.
7		
8		IV. <u>ENERGY EFFICIENCY COSTS</u>
9		A. <u>PY 2022</u>
10	Q.	WHAT COSTS DID AEP TEXAS INCUR TO IMPLEMENT ITS PY 2022 ENERGY
11		EFFICIENCY PROGRAMS?
12	A.	The costs incurred by AEP Texas to implement its PY 2022 energy efficiency programs
13		totaled \$17,220,700, as shown in Schedule B.
14	Q.	WERE AEP TEXAS' ACTUAL PY 2022 ENERGY EFFICIENCY COSTS LESS
15		THAN THE ENERGY EFFICIENCY AMOUNT PROJECTED FOR PY 2022?
16	A.	Yes. AEP Texas' energy efficiency costs were 4.1% (\$738,317) less than the projected
17		amount in 2022.
18	Q.	WERE AEP TEXAS` PY 2022 PROGRAM PORTFOLIO COSTS LESS THAN OR
19		EQUAL TO THE BENEFITS OF THE PROGRAMS?
20	A.	Yes. AEP Texas program portfolio costs were less than the benefits of the program.
21		The benefit-cost ratio for AEP Texas' entire PY 2022 program portfolio is shown in
22		Schedule P. The estimated useful life for each measure is provided in Schedule M

1 0.	PLEASE DESCRIBE A	AEP TEXAS' PY 2022	ADMINISTRATIVE COSTS

- AEP Texas' PY 2022 administrative costs included costs to review project applications, 2 A. 3 award contracts, review incentive reports, conduct field inspections of installed 4 measures, review M&V plans for projects that do not utilize deemed savings measures, and interact with project sponsors. Administrative duties also include continuous 5 6 review and monitoring of programs for successful program implementation. Costs associated with work activities regarding regulatory reporting and special projects are 7 also considered administrative costs and are included in AEP Texas' administrative 8 9 costs.
- 10 Q. DID AEP TEXAS HAVE ANY EXPENSES ASSOCIATED WITH R&D IN PY
 11 2022?
- 12 A. Yes. AEP Texas expended \$391,130 for R&D in PY 2022 as detailed in Schedule B.
- 13 Q. PLEASE DESCRIBE AEP TEXAS' R&D EFFORTS.
- AEP Texas' PY 2022 R&D projects included costs related to identifying, developing, 14 A. 15 and implementing necessary enhancements to its electronic data collection and 16 management systems to incorporate updates for new program requirements, regulatory requirements, and deemed savings values; and costs associated with researching new 17 technologies and energy efficiency program ideas. AEP Texas also participated with 18 the Electric Utility Marketing Managers of Texas in research activities that included 19 providing technical support for the Texas Technical Reference Manual (TRM). All of 20 the R&D expenditures incurred in PY 2022 were for the purpose of fostering 21 continuous improvement and innovation in the application of energy efficiency 22 23 technology and energy efficiency program design and implementation.

- 1 Q. PLEASE DESCRIBE AEP TEXAS' PY 2022 EXPENDITURES FOR ITS
- 2 TARGETED LOW-INCOME PROGRAM.
- 3 A. As required by 16 TAC § 25.181(p), AEP Texas expended \$1,790,209 in PY 2022 for
- 4 the targeted low-income energy efficiency program, which is 10% of AEP Texas
- 5 PY 2022 energy efficiency budget.
- 6 Q. HAS AEP TEXAS PROVIDED INFORMATION ON THE BIDDING AND
- 7 ENGAGEMENT PROCESS USED FOR CONTRACTING WITH EESPS?
- 8 A. Yes. Schedule L describes the process used to select and contract with EESPs.
- 9 Q. DID ANY SINGLE EESP RECEIVE MORE THAN 5% OF AEP TEXAS'
- 10 OVERALL INCENTIVE PAYMENTS?
- 11 A. Yes. Please see Highly Sensitive Schedule J for a list of all EESPs that participated in
- the PY 2022 programs, including those EESPs receiving more than 5% of AEP Texas
- 13 PY 2022 overall incentive payments, as well as a list of all EESPs that participated in
- the PY 2022 programs. Schedule J also includes contracts associated with those
- receiving more than 5% of overall incentive payments.
- 16 Q. DID AEP TEXAS INCUR ANY AFFILIATE COSTS IN PY 2022?
- 17 A. No. AEP Texas did not incur any affiliate costs in PY 2022.
- 18 B. <u>2022 EM&V Costs</u>
- 19 Q. DID AEP TEXAS INCUR ANY EM&V COSTS IN 2022 FOR THE EVALUATION
- 20 **OF PY** 2021?
- 21 A. Yes, AEP Texas incurred \$211,359 in costs paid to the statewide EM&V contractor
- during 2022 for the evaluation of PY 2021.

C. 2024 Projected Energy Efficiency Program Costs

2	Ω	WHATARE	AFP TEXAS'	ENERGY FEE	ICIENCY PLA	NS FOR PY 2024?
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- 3 As shown in Schedule A, AEP Texas will implement 13 energy efficiency programs in Α. 4 PY 2024 for a total projected cost of \$18,927,908, which includes R&D and EM&V 5 activities. The 13 energy efficiency programs are described in Schedule R and are designed to allow AEP Texas to achieve its energy efficiency objectives for PY 2024. 7 This portfolio of programs will continue to encourage EESPs to provide energy efficiency services to all qualifying residential and commercial customers. Each year 9 AEP Texas reviews the programs and activities that have taken place to improve its 10 plan for the upcoming year. AEP Texas has selected the programs that it believes will achieve its PY 2024 objectives and comply with PURA provisions and the Commission's rule.
- 13 O. HOW DID AEP TEXAS DETERMINE ITS PY 2024 ENERGY EFFICIENCY 14 OBJECTIVES?
 - AEP Texas first determined to achieve even greater cost-effective energy efficiency A. savings than required by the Commission's rule. AEP Texas then allocated portions of its PY 2024 projected program costs among customer classes using criteria such as customer counts, historical cost allocation, and previous program success. The Hardto-Reach SOP and the Targeted Low-Income Energy Efficiency Program were designed to comply with PURA provisions and the Commission's rule. AEP Texas then estimated projected impacts from each program based on historical results and previous years' experience. Projected impacts from all programs within each customer class were then combined to formulate customer class projected savings. Finally, all

1		projected customer class savings were added together to produce AEP Texas' PY 2024
2		projected energy efficiency savings as shown in Schedule O.
3	Q.	ARE THERE SPECIFIC TYPES OF ADMINISTRATIVE COSTS ASSOCIATED
4		WITH THE PY 2024 ENERGY EFFICIENCY PROGRAMS?
5	A.	Yes. Administrative costs for PY 2024 will include costs for reviewing project
6		applications, awarding contracts, reviewing M&V plans for some projects that do not
7		utilize deemed savings measures, performing field inspections of installed measures,
8		processing incentive payments, and interacting with project sponsors. Administrative
9		costs also include development, review and selection of new or revised programs that
0		may be considered for successful program implementation. Costs associated with work
1		activities regarding regulatory reporting, EECRF filing, and other energy efficiency-
12		related projects are also considered administrative costs and are included as shown in
13		Schedule A.
۱4	Q.	DOES AEP TEXAS PROJECT ANY R&D COSTS FOR PY 2024?
15	A.	Yes, AEP Texas PY 2024 projected R&D costs include \$353,646 or about 2% of its
16		total projected program costs as shown in Schedule A.
17		D. 2024 EM&V Costs
18	Q.	DOES AEP TEXAS INCLUDE ANY EM&V COSTS IN THIS FILING?
19	A.	Yes. AEP Texas is including \$233,450 as its apportioned EM&V costs to be incurred
20		in 2024 for the evaluation of PY 2023.

1		V. <u>ENERGY EFFICIENCY PROGRAMS</u>
2		A. PY 2022 Programs
3	Q.	WHAT PROGRAMS DID AEP TEXAS OFFER IN PY 2022 TO ACHIEVE ITS
4		ENERGY EFFICIENCY OBJECTIVES?
5	A.	AEP Texas offered the following programs in PY 2022:
6		Commercial Solutions MTP
7		Commercial SOP
8		CoolSaver sM A/C Tune-up MTP
9		Hard-to-Reach SOP
10		High Performance New Homes MTP
11		Load Management SOP
12		Open MTP
13		Residential SOP
14		SCORE/CitySmart MTP
15		SMART Source SM Solar PV MTP
16		Targeted Low-Income Energy Efficiency Program
17	Q.	PLEASE DESCRIBE THE COMMERCIAL SOLUTIONS MTP.
18	A.	The Commercial Solutions MTP identifies a variety of commercial customers having
19		a high likelihood of installing energy efficiency measures within their facilities. These
20		customers may have delayed making such improvements for a number of reasons,
21		including an inability to identify appropriate actions to take or lack of understanding of
22		energy efficiency project funding. The Commercial Solutions MTP provides education
23		and information to such customers, and provides monetary incentives to encourage
24		them to take action to improve their facilities' energy efficiency.

Q. PLEASE DESCRIBE THE COMMERCIAL SOP.

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- 2 A. The Commercial SOP provides incentives for the installation of a wide range of 3 measures that reduce customer energy costs and reduce peak demand and/or save 4 energy in non-residential facilities. Examples of eligible customer sites include hotels, 5 schools, manufacturing facilities, restaurants, and larger grocery and retail stores. 6 These types of customers have installed eligible measures such as lighting systems, 7 new or replacement chiller systems, high-efficiency pumping systems, and other 8 similar efficient technologies. Incentives are paid to project sponsors on the basis of 9 deemed savings or, if deemed savings have not been established for a particular 10 qualifying energy efficiency measure, incentives may be paid on the basis of verified 11 peak demand and/or energy savings using the International Performance Measurement 12 & Verification Protocol.
- 13 Q. PLEASE DESCRIBE THE COOLSAVERSM A/C TUNE-UP MTP.
- 14 A. The CoolSaver MA/C Tune-Up MTP is designed to overcome market barriers that
 15 prevent residential and small business customers from receiving high-performance A/C
 16 system tune-ups. This program works with local A/C distributor networks to train and
 17 certify A/C technicians on tune-up and air flow correction services and protocols.
- 18 Q. PLEASE DESCRIBE THE HARD-TO-REACH SOP.
- 19 A. The Hard-to-Reach SOP targets a specific subset of residential customers defined by
 20 16 TAC § 25.181(c)(27). The hard-to-reach customer is one whose total household
 21 income is at or below 200% of federal poverty guidelines. The program provides
 22 incentives for the installation of a wide range of measures that reduce residential
 23 customer energy costs and reduce peak demand. It is designed to cost-effectively

1	provide energy efficiency improvements to individual households at no or very low
2	cost. Incentives are paid to project sponsors for eligible measures installed in retrofit
3	applications on the basis of deemed savings. Eligible measures include replacement air
4	conditioners, wall and ceiling insulation, and air distribution duct improvements,
5	among others.

- 6 Q. PLEASE DESCRIBE THE HIGH PERFORMANCE NEW HOMES MTP.
- 7 A. The High Performance New Homes MTP targets homebuilders and residential
 8 consumers. The program's goal is to create conditions where consumers demand high
 9 performance built homes, and homebuilders supply these energy-efficient homes.
 10 Incentives are paid to homebuilders who construct high performance built homes.
- 11 Q. PLEASE DESCRIBE THE LOAD MANAGEMENT SOP.
- 12 A. The Load Management SOP targets commercial customers that have a minimum
 13 demand of 500 kW or more. Incentives are paid to project sponsors that identify
 14 interruptible load and provide curtailment of this electric load on short notice. These
 15 payments are based on the verified demand savings methodology identified in the
 16 Texas TRM.
- 17 Q. PLEASE DESCRIBE THE OPEN MTP.
- 18 A. The Open MTP targets traditionally underserved small commercial customers who may
 19 not employ knowledgeable personnel with a focus on energy efficiency, who are
 20 limited in the ability to implement energy efficiency measures, and/or who typically do
 21 not actively seek the help of a professional EESP. Small commercial customers with a
 22 peak demand not exceeding 150 kW in the previous 12 consecutive billing months may
 23 qualify to participate in the program. The program is intended to overcome market

- l barriers for participating contractors by providing technical support and incentives to
- 2 implement energy efficiency upgrades and produce demand and energy savings.
- 3 O. PLEASE DESCRIBE THE RESIDENTIAL SOP.
- A. The Residential SOP provides incentives for the installation of a wide range of measures that reduce residential customer energy costs and reduce peak demand. It is also designed to encourage private sector delivery of energy efficiency products and services. Incentives are paid to project sponsors for eligible measures installed in retrofit applications on the basis of deemed savings. Eligible measures include replacement air conditioners, wall and ceiling insulation, and air distribution duct improvements, among others.
- 11 Q. PLEASE DESCRIBE THE SCORE/CITYSMART MTP.

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A. The Schools COnserving REsources/CitySmart MTP (SCORE/CitySmart) provides energy efficiency and demand reduction solutions for government and educational customers. SCORE/CitySmart facilitates the examination of actual demand and energy savings, operating characteristics, program design, long-range energy efficiency planning and overall measure and program acceptance by the targeted cities and schools. This program is designed to help educate and assist these customers to lower energy use by integrating energy efficiency into their short- and long-term planning, budgeting and operational practices. Incentives are paid to participants for certain qualifying measures installed in new or retrofit applications that result in verifiable demand and energy savings.

- 1 Q. PLEASE DESCRIBE THE SMART SOURCESM SOLAR PV MTP.
- 2 A. The SMART SourceSM Solar PV MTP offers residential and commercial installations
- a financial incentive for installations of solar electric (photovoltaic) systems
- 4 interconnected on the customer's side of the electric service meter. The goal of this
- 5 program is to transform the market by increasing the number of qualified companies
- 6 offering installation services and by decreasing the average installed cost of systems,
- 7 creating economies of scale.
- 8 Q. PLEASE DESCRIBE THE TARGETED LOW-INCOME ENERGY EFFICIENCY
- 9 PROGRAM.
- 10 A. AEP Texas' Targeted Low-Income Energy Efficiency Program is designed to
- cost-effectively reduce the energy consumption and energy costs of AEP Texas'
- 12 low-income residential customers. The program provides eligible residential customers
- with appropriate weatherization measures and basic on-site energy education.
- 14 B. PY 2022 Achievements
- 15 Q. PLEASE DESCRIBE THE AEP TEXAS REQUIRED DEMAND REDUCTION
- 16 GOAL FOR PY 2021 AND THE RESULTS THAT WERE ACHIEVED IN 2022.
- 17 A. The AEP Texas required demand reduction goal to be achieved in PY 2022 was 20.83
- 18 MW. The AEP Texas actual demand reduction achieved was 53.40 MW of peak
- demand savings from its PY 2022 energy efficiency programs.

- 1 Q. PLEASE DESCRIBE THE AEP TEXAS REQUIRED ENERGY REDUCTION
- 2 GOAL FOR PY 2022 AND THE RESULTS THAT WERE ACHIEVED IN PY 2022.
- 3 A. The AEP Texas required energy reduction goal to be achieved in PY 2022 was 36,494
- 4 MWh. The AEP Texas actual energy reduction achieved was 83,915 MWh from its PY
- 5 2022 energy efficiency programs.
- 6 Q. PLEASE DESCRIBE THE AMOUNT OF DEMAND REDUCTION THAT AEP
- 7 TEXAS ACHIEVED FROM ITS HARD-TO-REACH PROGRAMS.
- 8 A. AEP Texas achieved a total demand reduction of 2.14 MW from its hard-to-reach
- 9 programs (1.47 MW from its Hard-To-Reach SOP and 0.67 MW from its Targeted
- 10 Low Income Energy Efficiency Program).
- 11 Q. DID AEP TEXAS ACHIEVE MORE THAN 5% OF ITS STATUTORY DEMAND
- 12 REDUCTION GOAL FROM ITS HARD-TO-REACH PROGRAMS?
- 13 A. Yes, AEP Texas achieved 10% of its PY 2022 statutory demand reduction goal from
- its hard-to-reach programs.
- 15 Q. DID AEP TEXAS EARN A PERFORMANCE BONUS FOR PY 2022?
- 16 A. Yes. Mr. Cavazos discusses the \$6,077,493 performance bonus earned by AEP Texas
- for its PY 2022 results.
- 18 Q. SHOULD AEP TEXAS BE GRANTED ITS PERFORMANCE BONUS?
- 19 A. Yes, AEP Texas should be granted its performance bonus set forth in Schedule D.

1		C. PY 2024 Programs	
2	Q.	WHAT PROGRAMS WILL AEP TEXAS OFFER IN PY 2024 TO ACHIEVE THE	
3		ENERGY EFFICIENCY OBJECTIVES?	
4	A.	AEP Texas will offer the following programs in PY 2024:	
5		Commercial Solutions MTP	
6		Commercial SOP	
7		CoolSaver ^{s™} A/C Tune-up MTP	
8		Commercial Food Service Pilot MTP	
9		Hard-to-Reach SOP	
10		High Performance New Homes MTP	
11		Load Management SOP	
12		Open MTP	
13		Residential SOP	
14		SCORE/CitySmart MTP	
15		SMART Source SM Solar PV MTP	
16		Targeted Low Income Energy Efficiency Program	
17		Winter Load Management SOP	
18		Descriptions of these programs are provided in Schedule R.	
19	Q.	WHAT IS THE PY 2024 PROJECTED COST FOR EACH PROGRAM?	
20	A.	Schedule A contains details of the PY 2024 projected cost for each of AEP Texas	
21		programs.	
22	Q.	WHAT ARE THE PROJECTED SAVINGS FROM EACH PROGRAM?	
23	A.	Schedule O contains the PY 2024 projected savings from each program.	
24	Q.	DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?	
25	Α.	Yes, it does.	

PUBLIC UTILITY COMMISSION OF TEXAS

APPLICATION OF

AEP TEXAS INC.

TO ADJUST ITS

ENERGY EFFICIENCY COST RECOVERY FACTOR AND RELATED RELIEF

DIRECT TESTIMONY OF

JENNIFER L. JACKSON

FOR

AEP TEXAS INC.

JUNE 1, 2023

TESTIMONY INDEX

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111	DEVELOPMENT OF FECRE CLASS FACTORS	9

I. INTRODUCTION AND PURPOSE

- 2 Q. PLEASE STATE YOUR NAME, POSITION, AND BUSINESS ADDRESS.
- 3 A. My name is Jennifer L. Jackson. I am a Regulatory Pricing and Analysis Manager in
- 4 Regulated Services, Pricing and Analysis, part of the American Electric Power Service
- 5 Corporation (AEPSC) Regulatory Services Department, 212 East Sixth Street, Tulsa,
- 6 Oklahoma 74119-1295.
- 7 Q. PLEASE BRIEFLY DESCRIBE THE AEPSC REGULATORY SERVICES
- 8 DEPARTMENT, YOUR CURRENT JOB RESPONSIBILITIES, AND
- 9 EDUCATION.

- 10 A. AEPSC Regulated Pricing and Analysis reports through Regulatory Services, which is
- part of the AEPSC's Legal Organization. Among its activities, Regulated Pricing and
- 12 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 and supervising 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
- 17 proceedings since 1991 in all four of the AEP west state jurisdictions including Texas,
- 18 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 the Commission) in the following dockets: 20545, 28520, 28840,
5		31251, 31461, 32758, 33309, 33310, 35625, 35627, 36422, 36928, 36949, 36961,
6		36960, 36959, 38208, 38209, 38210, 39359, 39360, 39361, 40358, 40359, 40443,
7		41538, 41539, 41879, 41970, 42370, 42508, 42509, 44717, 44718, 45787, 45788,
8		45928, 45929, 47015, 47236, 48110, 48422, 49163, 49494, 49592, 51415, 52199, and
9		53679. I have also sponsored testimony before the Arkansas Public Service
10		Commission and the 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 Schedule F to AEP Texas' filing, proposed to be effective
20		March 1, 2024.
21	Q.	PLEASE SUMMARIZE YOUR TESTIMONY.

DIRECT TESTIMONY JENNIFER L. JACKSON

AEP Texas is requesting recovery of \$24,833,529 through its Rider EECRF, which

includes: projected program year (PY) 2024 energy efficiency program costs; EM&V

22

	costs; the return to customers of an over-recovery of PY 2022 program costs, including
	interest; and EECRF proceeding expenses—including expenses necessary to reimburse
	intervening municipalities—incurred in Docket No. 53679. 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 2024 EECRF revenue requirement, are calculated based on projected 2024 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?

11 A. I sponsor the following schedules:

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Schedule	Description
Schedule E	Calculation of the 2024 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

- 12 I also sponsor the workpapers supporting these schedules.
- 13 Q. WHAT SCHEDULES ARE YOU CO-SPONSORING?
- 14 A. I am co-sponsoring Schedule A with AEP Texas witnesses Robert Cavazos and Pamela
 15 D. Osterloh; Schedule B with AEP Texas witness Osterloh; and Schedule C with AEP
- 16 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.

1 2 3		 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.
4 5		 Schedule C provides the actual results from the PY 2022 by EECRF rate class, including EECRF revenues.
6		
7		II. ADJUSTED EECRF REVENUE REQUIREMENT FOR PY 2024
8	Q.	WHY IS AEP TEXAS REQUESTING APPROVAL OF AN ADJUSTED EECRF?
9	A.	16 TAC § 25.182(d)(8) requires a utility in an area in which customer choice is offered
10		with an EECRF, to apply no later than June 1 of each year to adjust its EECRF effective
П		March 1 of the following year. AEP Texas is currently billing its customers the 2023
12		EECRF factors approved in Docket No. 53679. In this case, AEP Texas is requesting
13		Commission approval of an adjusted Rider EECRF with factors to be effective March
14		1, 2024.
15	Q.	WHAT IS THE REVENUE REQUIREMENT THAT AEP TEXAS IS TO RECOVER
16		THROUGH ITS PROPOSED ADJUSTED EECRF?
17	A.	AEP Texas is requesting to recover \$24,833,529 through its adjusted Rider EECRF in
18		PY 2024. This revenue requirement reflects the following:
19 20		 recovery of \$18,694,458; in energy efficiency program costs projected to be incurred in PY 2024;
21 22 23 24		 an adjustment of \$227,177 to account for the over-recovery of EECRF revenues above actual energy efficiency program expenditures incurred for its PY 2022 programs, including interest in the amount of \$2,941 and recovery of 2022 EM&V
25 26		 recovery of \$6,077,493 representing AEP Texas' earned performance bonus for demand and energy savings achieved in PY 2022;
27 28		 recovery of EECRF proceeding expenses from Docket No. 53679 in the amount of \$55,305—including \$6,537.50 in reimbursed proceeding

1 2		expenses incurred by municipal intervenors and \$48,767.94 for AEP Texas' legal expenses; and
3 4		 recovery of EM&V costs in the amount of \$233,450 for the evaluation of PY 2023.
5	Q.	HOW ARE THE PY 2024 PROGRAM COSTS ASSIGNED TO EACH CLASS?
6	A.	PY 2024 program costs are assigned to EECRF rate classes on a program-by-program
7		basis following the methodology employed in AEP Texas' 2023 EECRF approved in
8		Docket No. 53679. The class assignment of the PY 2024 program costs, including
9		administrative costs, is based on the direct assignment to the EECRF rate classes
10		eligible for specific programs where possible.
11	Q.	HOW ARE THE PY 2024 PROGRAM COSTS THAT ARE NOT DIRECTLY
12		ASSIGNED TO A CLASS ALLOCATED?
13	Α,	Where more than one EECRF rate class is eligible to participate in a specific program,
14		AEP Texas has employed an adjusted and weighted demand allocator to assign
15		program costs across the eligible classes based on allocators approved in its most recent
16		base-rate case, Docket No. 49494.
۱7		PY 2024 R&D costs are allocated across the eligible classes using the weighted
18		and adjusted demand allocators.
19		The transmission service class of customers is not allocated energy efficiency
20		program costs through the EECRF because those customers taking service at 69
21		kilovolts (kV) and above are not eligible for participation in AEP Texas' PY 2024
22		energy efficiency programs.

 Q. PLEASE DESCRIBE THE ADJUSTED DEMAND ALLOCATION 	ON FACTORS
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2 USED TO ALLOCATE PY 2024 COSTS THAT ARE NOT DIRECTLY ASSIGNED

3 TO RATE CLASSES.

- 4 The class distribution function demand allocators from Docket No. 49494 have been A. 5 weighted to remove the lighting class and transmission customers at or above 69 kV and adjusted using 2024 projected kWh. The 2024 kWh projection also accounts for 6 7 industrial customers identifying themselves under 16 TAC § 25.181(c)(30) and (u). Under 16 TAC § 25.181(c)(30) and (u), distribution voltage industrial customers that 8 qualify for a tax exemption under Tex. Tax Code Ann. § 151.317 and submit an 9 10 identification notice by February 1 characterizing the account as such, are not eligible 11 for participation in energy efficiency programs through the EECRF beginning with the 12 next calendar year. AEP Texas has therefore removed kWh associated with those customers from the 2024 kWh projection. The removal of the identification notice 13 14 customers affects the adjusted demand allocators and the calculation of the proposed class EECRF factors for 2024. The kWh associated with the identification notice 15 16 customers and the resulting 2024 kWh projection are shown in Schedule H and the 17 adjusted demand allocators and supporting data are shown in the rate design 18 workpapers supporting Schedule E; WP Schedule E (Adj Allocators).
- 19 Q. HOW WAS THE 2022 OVER-RECOVERY DETERMINED?
- 20 A. The over-recovery was determined by comparing AEP Texas' PY 2022 Rider EECRF
 21 revenues with actual PY 2022 expenditures—including EM&V costs and excluding
 22 rate-case expenses for Docket No. 53679. This comparison resulted in an over23 recovery for PY 2022 in the amount of \$223,786. This amount includes a trailing

1		under-recovery of \$451 from the Transmission Class that has continued since base-rate
2		energy efficiency recovery existed for that class. AEP Texas has determined to forego
3		the recovery of this small amount. The resulting adjusted PY 2022 over-recovery is
4		\$224,236. Interest on the over-recovery balance is required per 16 TAC
5		§ 25.182(d)(10)(D). Interest on the over-recovery balance is \$2,941, for a total
6		over-recovery with interest of \$227,177.
7		The over-recovery with interest is shown on Schedule C (2022) and is
8		summarized in WP Schedule C (Summary).
9	Q.	HOW IS AEP TEXAS ASSIGNING THE 2022 OVER-RECOVERY TO THE
10		CLASSES?
11	A.	The over-recovery assignment to each class is based on a comparison of the total 2022
12		energy efficiency revenues and EECRF Rider revenues by EECRF rate class, to actual
13		2022 program costs assigned to each EECRF rate class. The actual 2022 energy
14		efficiency program costs have been directly assigned to the individual EECRF rate
15		classes that actually participated in each program using a direct, program-by-program
16		assignment. The 2022 administrative costs follow the assignment of the incentive costs
17		and the R&D costs have been either directly assigned to the rate classes or allocated to
18		the classes based on the 2022 class program cost assignment. The specifics of the class
19		assignment of the over-recovery are shown in the workpapers supporting Schedule C.
20	Q.	HOW IS AEP TEXAS ASSIGNING THE PY 2022 EARNED PERFORMANCE
21		BONUS TO THE CLASSES?
22	A.	AEP Texas has assigned the PY 2022 earned performance bonus to all EECRF rate
23		classes eligible for participation in the PY 2022 energy efficiency programs using an

1	1	all	locator	based	on	the	direct	assi	gnment	of	the	PY	2022	program	incentives	to th	ıe

- 2 EECRF rate classes. AEP Texas' allocation is in accordance with 16 TAC
- § 25.182(e)(6), which states that the bonus shall be allocated in proportion to the
- 4 program costs associated with meeting the demand and energy goals and allocated to
- 5 the eligible customers on a rate class basis. The detail for the earned performance
- 6 bonus allocation is shown in WP Schedule E (2022 Bonus).
- 7 Q. ARE THERE EECRF PROCEEDING EXPENSES INCLUDED IN THE 2024
- 8 TOTAL REVENUE REQUIREMENT?
- 9 A. Yes. AEP Texas has included in EECRF proceeding expenses that it incurred in Docket
- No. 53679 as well expenses to reimburse intervening municipalities for their
- participation in Docket No. 53679. The detail of the municipal and AEP legal counsel
- 12 EECRF proceeding expenses are shown in WP Schedule E (Proceeding Expenses).
- The support for those expenses is included in Exhibits RC-1 and RC-2 to the testimony
- 14 of Mr. Cavazos.
- 15 Q. HOW IS AEP TEXAS ASSIGNING THE EECRF PROCEEDING EXPENSES TO
- 16 THE CLASSES?
- 17 A. AEP Texas has assigned the total requested EECRF proceeding expenses to the classes
- using an allocator developed using the assignment of the PY 2024 program cost to the
- 19 EECRF rate classes.
- 20 Q. HAS AEP TEXAS INCLUDED EM&V COSTS IN THE PY 2024 REVENUE
- 21 REQUIREMENT?
- 22 A. Yes. AEP Texas has included its allocated share of statewide EM&V contractor costs
- for evaluating PY 2023 in the PY 2024 revenue requirement to be recovered through

1		the 2024 EECRF. The statewide EM&V contractor costs are shown in WP Schedule E
2		(EMV).
3		III. <u>DEVELOPMENT OF EECRF CLASS FACTORS</u>
4	Q.	HOW ARE THE EECRF FACTORS DETERMINED ONCE ALL THE
5		COMPONENTS ARE ASSEMBLED?
6	\mathbf{A}_{\cdot}	Once the total EECRF class revenue requirement is developed and assigned to EECRF
7		rate classes by direct assignment or by using the appropriate allocators, EECRF class
8		factors are calculated by dividing the revenue requirement for each EECRF rate class
9		by the 2024 projected billing units for each EECRF rate class. The 2024 EECRF factors
10		for AEP Texas are shown in Schedule E and the revised AEP Texas Rider EECRF is
11		contained in Schedule F.
12	Q.	WHAT BILLING UNIT IS AEP TEXAS PROPOSING TO USE TO RECOVER THE
13		ENERGY EFFICIENCY COSTS?
14	A.	AEP Texas is proposing to continue to use an energy charge (kWh) for recovery of
15		energy efficiency costs for all classes of customers included in the EECRF, as
16		authorized by 16 TAC § 25.182(d)(6). AEP Texas' kWh proposal is consistent with
17		past approved EECRF billing methodologies and is in compliance with 16 TAC
18		§ 25.182(d)(6). AEP Texas has supplied forecasted 2024 kWh data for all classes in
19		Schedule H.
20	Q.	PLEASE DESCRIBE HOW THE 2024 FORECASTED BILLING UNITS USED IN
21		THE DEVELOPMENT OF THE EECRF FACTORS FOR PROGRAM YEAR 2024
22		WERE DETERMINED.

J	Α.	As part of the normal course of business, AEPSC projects monthly kwn sales for each
2		of its operating companies, including AEP Texas. The AEPSC Economic Forecasting
3		Department provides the total retail kWh sales forecasts by revenue class. Because the
4		kWh sales are projected on a revenue class basis kWh data must be converted to
5		EECRF rate class forecasted kWh sales. Forecasted kWh sales by EECRF rate class
6		were established by first determining each EECRF rate class's percentage of total retail
7		sales based on twelve months of historical kWh sales data. Forecasted kWh sales by
8		rate class were then calculated by multiplying each rate class's percentage of total retail
9		kWh sales by the total retail forecasted kWh sales. As discussed above, the projection
10		of the 2024 kWh reflects the removal of the identification notice customer kWh. The
11		annual class projected kWh sales less the customer identification notice kWh for each
12		EECRF rate class was used to determine the adjusted 2024 EECRF class factors.
13		Schedule H specifies the process for determining the projected kWh sales by EECRF
14		rate class.
15	Q.	WERE SYSTEM AND LINE LOSSES USED TO DEVELOP THE EECRF

- 15 Q. WERE SYSTEM AND LINE LOSSES USED TO DEVELOP THE EECRF 16 FACTORS?
- 17 A. No. AEP Texas' kWh sales forecast for 2024 is based on energy delivered at the meter, 18 so it was not necessary to adjust the EECRF factors to reflect system and line losses.

- 1 Q. WHAT ARE THE PROPOSED 2024 EECRF RATE CLASS FACTORS?
- 2 A. The proposed 2024 factors by EECRF rate class as shown in Schedule F are:

AEP Texas

	Proposed	Billing Unit
Rate Class	kWh Factor	Per Rate
Residential	\$0.000996	kWh
Secondary <= 10 kW	\$0.000686	kWh
Secondary > 10 kW	\$0,000908	kWh
Primary	\$0.000562	kWh
Transmission	\$0.000000	kW

- 3 Q. HAS AEP TEXAS CALCULATED THE EECRF FACTORS IN A MANNER
- 4 CONSISTENT WITH 16 TAC § 25.182?
- 5 A. Yes.
- 6 Q. DO THE 2024 EECRF FACTORS, EXCLUDING MUNICIPAL EECRF
- 7 PROCEEDING EXPENSES AND STATEWIDE EM&V CONTRACTOR COSTS,
- 8 EXCEED THE MAXIMUM PRICE PER KWH FOR RESIDENTIAL AND
- 9 COMMERCIAL CUSTOMERS AS SPECIFIED IN 16 TAC § 25.182(d)(7)?
- 10 A. No, they do not. 16 TAC § 25.182(d)(7) recognizes two groups of customers for the
- 11 purposes of setting cost caps, residential and commercial. Neither class factor exceeds
- 12 the PY 2024 cost cap.
- 13 Q. HOW ARE THE 2024 EECRF COST CAPS DETERMINED?
- 14 A. The method of calculating the 2024 cost caps is described in 16 TAC
- 15 § 25.182(d)(7)(C). The most recently available calendar year's percentage change in
- the South urban consumer price index is calendar year 2022. The percentage change
- for calendar year 2024 is 8.58%. AEP Texas has evaluated the cap based on the

- adjusted 2024 per kWh residential cap of \$.001556 and commercial cap of \$.000973.
- 2 The 2024 cost cap calculation is included in Schedule G of the combined AEP Texas
- 3 EECRF filing schedules.
- 4 Q. HOW DO THE PROPOSED FACTORS FOR RESIDENTIAL AND COMMERCIAL
- 5 COMPARE TO THE 2024 COST CAPS?
- 6 A. The revised residential factor excluding municipal EECRF proceeding expenses,
- 7 EM&V statewide contractor costs, and interest on the over-recovery is \$0.000987 per
- 8 kWh, which does not exceed the residential maximum of \$0.001556 per kWh. The
- 9 maximum commercial rate per kWh for 2024 is \$0,000973 per kWh as explained
- 10 above. The updated commercial class factor excluding the municipal EECRF
- proceeding expenses, statewide EM&V contractor cost, and interest on the over-
- recovery is \$0.000787 per kWh, which does not exceed the cap for the commercial
- class. Schedule G details the 2024 cost cap comparison.
- 14 Q. HAS AEP TEXAS INCLUDED A CALCULATION OF THE 2022 CAP BASED ON
- 15 ACTUAL PROGRAM COSTS AND ACTUAL 2022 BILLING UNITS?
- 16 A. Yes, AEP Texas has included a 2022 cap calculation based on actual 2022 program
- 17 costs and billing units as part of Schedule G.
- 18 Q. DID AEP TEXAS EXCEED THE 2022 CAPS BASED ON ACTUAL DATA?
- 19 A. No. Neither EECRF rate class exceeded the 2022 caps.
- 20 Q. HOW WERE THE 2022 CAPS CALCULATED?
- 21 A. The 2022 caps were calculated by removing the statewide EM&V contractor's costs
- and the municipal EECRF proceeding expenses paid in 2022 from the total 2022
- 23 Energy Efficiency actual program costs and dividing that total amount by the class

2022 EECRF billing units less any customer ID notice kWh. This calculation yields
 the following results for the classes:

Class	2022 Cost per kWh	2022 Cap
Residential	\$0.001117	\$0.001364
Commercial	\$0.000813	\$0.000853

- 3 O. ARE SOME CUSTOMERS EXCLUDED FROM EECRF CHARGES?
- 4 A. Yes, in addition to transmission customers taking service at 69 kV, distribution industrial customers meeting the definition and fulfilling the requirements as outlined in 16 TAC § 25.181(c)(30) and (u) (ID Notice Customers) are excluded from EECRF charges. Also, the lighting class has not been assigned or allocated any 2024 costs.
- Q. HAVE YOU PROVIDED THE REVISED TARIFF REFLECTING 2024 EECRF
 FACTORS FOR AEP TEXAS?
- 10 A. Yes. The proposed Rider EECRF is shown in the Schedule F. AEP Texas requests

 11 that the Commission approve Rider EECRF to be effective March 1, 2024.
- 12 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?
- 13 A. Yes, it does.

SCHEDULE A

2024 Projected Energy Efficiency Program Costs

	Incentives	Administrative	Research & Development	EM&V	Total Projected Energy Efficiency Costs
Commercial					
Commercail Food Service Pilot MTP	\$ 280,000	\$ 25,000			\$305,000
Commercial Solutions MTP	\$903,248	\$115,485			\$1,018,733
Commercial SOP	\$1,875,762	\$218,467			\$2,094,229
CoolSaver© A/C Tune-Up MTP	\$796,700	\$88,522			\$885,222
Load Management SOP	\$737,700	\$85,300		<u> </u>	\$823,000
Open MTP	\$1,213,041	\$150,959	- T		\$1,364,000
SCORE/CitySmart MTP	\$1,192,300	\$141,884			\$1,334,184
SMART Source SM Solar PV MTP	\$287,310	\$35,017			\$322,327
Winter Load Management SOP	\$350,000	\$25,000			\$375,000
Residential			-		
CoolSaver© A/C Tune-Up MTP	\$825,000	\$91,667			\$916,667
High Performance New Homes MTP	\$965,000	\$107,222			\$1,072,222
Residential SOP	\$3,164,657	\$359,868			\$3,524,525
SMART Source SM Solar PV M1P	\$670,941	\$79,059			\$750,000
Hard-to-Reach					<u> </u>
Hard-to-Reach SOP	\$1,412,560	\$156,840			\$1,569,400
Largeted Low-Income Energy Efficiency Program	\$1,799,159	\$187,144			\$1,986,303
Research and Development					<u></u>
R&D Programs	NAP	NAP	\$353,646		\$353,646
Total Projected Program Costs	\$16,473,378	\$1,867,434	\$353,646	\$0	\$18,694,458
Evaluation Measurement & Verification (EM&V)					
ĽM&V				\$233,450	\$233,450
Total Projected Energy Efficiency costs	\$16,473,378	\$1,867,434	\$353,646	S233,450	S18,927,908

NN ALC (ess	B,cu	2-1:30	5cc + 10	T-) etai
الملة شجهه ا					
Communical Propheryson Palet MAIP		10 5.75A	\$420,694	364,501	1317.0
Commerced Seinbern MAP		1º ZIVA	1737,622	112,310	\$1.915.7
Carrena and SOP		\$107 699	\$1,416.760	\$47 0,1 69	25,094.3
Coaldinate Art Time-Up M77		54° 271	\$641 123	\$100,820	3M+ 2
Lord Management SOF			1626,157	1191,511	2277
Open M 1P		236,961	11 271 279		\$1.361,0
SCORE-Condens MITP		206 131	\$9m6 2/2	\$299_ed1	\$1,144,12
RMART RosewSM Solar PC MTP		110,484	\$217 444	\$72,991	27.17.1
Waster Load Management			1,396,275	143.761	531.0
Restdential					
Cacificant M A C Tora-Fp MTP	2914.067				\$916.6
Tigh-Petratenine New Harnes MTP	דמ'ג וליוג				117112
Rendernal SOP	29,514,424				25,124
CLIAR T Rospost VI Solar PY VITE	2740,000				2.00
Tard-ta-Rasch					
Harden-Kamb SAU	\$1,549,430				\$1,369.6
Targatat Law-Inorus Trongy Fiffeemey Pragram Lawarch and Development (EAD)	104,494,12				21,986
£±D Program	\$500,125.77	\$7,850.91	\$111.06.99	134.150 tV	\$111.0
PHAV	\$125,117	H 02"	SELAIR	#HI/AP"	5291 e
otal Kangg <u>a A.Malaina's Pr</u> ogram I vocano Esquir annual	\$10,140,7e2	Har sto	14 (986) 19	\$1 6 T7,307	\$(0, 92* (

Schedule B

2022 Actual Energy Efficiency Expenditures

Customer Class and Program	2022								
	•	Incentives	_Adı	ninistrative	Resear Develo		Meast	luation, irement & ification	Total Funds Expended
Commercial									
Commercial Solutions MTP	\$	876,527	\$	83,799					\$960,320
Commercial SOP	\$	1.846,073	\$	235.986			· · · · · · · · · · · · · · · · · · ·		\$2,082,059
CoolSaver⊕ A/C Tune-Up M1P	\$	876,772	\$	61,632					\$938,403
Load Management SOP	\$	802,171	\$	90,376					\$892,54
Open MTP	\$	1,055,076	\$	111.849					\$1,166,925
SCORE/CitySmart MTP	\$	1,180,225	\$	112.441					\$1,292,660
SMART Source SM Solar PV MTP	\$	169,780	\$	17,762					\$187,543
Residential						<u> </u>			
CoolSaver© A/C Tune-Up MTP	\$	819,778	<u> </u>	74,643					\$894,42
High Performance New Homes MTP	\$	844,092	\$	97,174					\$941,260
Residential SOP	\$	2,963,580	\$	279,887					\$3,243,461
SMART Source SM Solar PV MTP	\$	605.919	\$	59,872					\$665.79
Hard-to-Reach									
Hard-to-Reach SOP	\$	1,427.558	\$	135,030					\$1.562.58
Targeted Low Income Energy Efficiency									
Program	\$	1,611.583	. \$	178,626					\$1,790.209
Research & Development									
Research & Development		NAP		NAP	\$	391,130			\$391.130
Evaluation, Measurement & Verification						••			
PY 2019 Statewide FM&V Contractor		NAP		NAP		NAP	\$	211,359	\$211.359
TOTAL		\$15,079,133		S1,539,077		S391,130		\$211,359	\$17,220,700

AEP Texas Inc Adjusted Energy Efficiency Cost Recovery Factor Filing

2022 APJ' Texas	Res	Sec 10	Sec. 10	Primary	Total
Commercial Programs				•	
ComSol MIP		53,374	841,100	65,852	960,326
Commercial SOP		45,653	1.182.208	854.198	2,082,059
CoolSaver♥ A C Tune-Up MTP		112,796	761.571	64,037	938,403
Load Management SOP		0	416,646	475,901	892,547
Open MTP		79,506	1,087,419	0	1,166,925
SCORE CitySmart MTP		17,720	1.045.358	229.588	1,292,666
SMAR t Source SM Solar PV MTP		0	187,543	0	187,543
Total Commercial		309.050	5.521,844	1,689.575	7,520,469
Residential Programs					
CoolSaver♥ A C Tune-Up MTP	894,421				894,421
High Performance New Homes MTP	941,266				941,266
Residential SOP	3,243,467				3,243,467
SMART Source SM Solar PV MTP	665,791				665,791
Total Residential	5.744.945				5,74 1,945
Hard-to-Reach Programs					
Hard-To-Reach SOP	1,562,587				1,562,587
Targeted Low Income Emergy Efficiency Program	1,790,209				1,790,209
Total HTR	3,352,796				3,352,796
Total Programs	\$9,097,742	\$309,050	\$5,521,844	\$1,689,575	\$16,618,211
Research & Development	\$264,779	\$5,230	\$92.815	\$28,305	\$391,130
EM&V -statewide contr	\$115,918	\$3,923	\$69,975	\$21,543	\$211,359
Total R&D	\$380,697	\$9,153	\$162,790	\$49,848	\$602,489
Total 2022	\$9,478,439	\$318,203	\$3.684.634	\$1,739,424	\$17.220,700

Sponsored By: Pamela D. Osterloh and Jennifer L. Jackson

AEP Texas Schedule C Calculation of 2022 Over/Under Recovery Class Factor 2022 Residential Energy Efficiency Expenditures + R&D +EMAV- Municipal EECRF Expenses S9 474 852 2022 Actual Residential Energy Efficiency Factor Revenues \$9,614,434 2022 Residental Over Recovery (5139 562) 2022 Commercial Energy Efficiency Expenditures + R&D + EMAY- Municipal EECRF Expenses \$7 739 310 2022 Actual Commercial Energy Efficiency Factor Revenues
2022 Commercial Over Recovery \$7,823,965 (584,954) 2022 Total Energy Efficiency Expenditures + R&D + EM&V- Municipal EECRF Expenses 517 214 162 2022 Actual Total Energy Efficiency Factor Revenues 2022 Over Recovery S17 437 948 (S223,786) (\$451) (\$2,941) less Transmission Crass training under-recovery Interest on 2022 Over Recovery Total Over Recovery With Interest (\$227,177)

	2022 Program Costs		2024 Over/Under
Class	Over/Under Recovery Allocation	2024 Forecasted Billing Unit	Recovery Factor Unit
Residential	(\$141.412)	13,418,124,420	(\$0,000011; RWh
Secondary <= 10 kW	(S32 438)	715,391,953	(\$0 000045) kWh
Secondary > 10 kW	(\$152.878)	9,451,878,742	r\$0 0000161 kWh
Primary	\$39.551	4,258, 139,342	\$0 000023 kWh
Transmission	90		\$0 0000000 NVV
Lighting	80		\$0 000000 HWh
Total	(\$22 7 177)	27 843 534 457	

Over-Recovery Without Interest for 2024 Cup Purposes					
	2022 Program Costs				
Class	Over/Under Recovery Allocation				
Residental	(\$139 582				
Secondary <= 10 kW	(\$32.016				
Secondary > 10 kW	(\$150.899				
Primary	\$95 263				
Transmission	90				
Total Without Interest	(\$224,236				

Schedule D 2022 Goal Achievement and Performance Bonus Calculation

AEP Texas achieved 53,404 kW in demand savings and 83,915,065 kWh in energy savings by January 1, 2023. The total present value of the avoided costs associated with these demand reductions and energy savings is \$86,739,023. AEP Texas' total costs for purposes of calculating the bonus for the 2022 program year were \$17,290,817. The resulting net benefits are \$60,774,931. AEP Texas' demand reduction goal (DRG) was 20,830 kW and its energy savings goal was 36,494,160 kWh. AEP Texas achieved 256% of its DRG and 230% of its energy savings goal, qualifying it for a performance bonus as calculated under 16 TAC § 25,182(e).

AEP Texas' calculated bonus is \$47.520.010; however, its maximum bonus allowed is \$6,077.493, which is 10% of its total net benefits (16 TAC § 25.182(e) (3)).

	kW (Demand)	kWh (Energy)	
2022 Goals	20,830	36,494,160	
2022 Savings	53,404	83,915,065	
Reported Verified HTR	2,141		
2022 Program Costs (excluding bonus)	\$17,290,817		
2022 Performance Bonus	\$6,077,493		

Performance Bonus Calculation

IOI III AIICC DOILUS	Calculation		
256%	Percentage of Demand Reduction Goal Met (Reported kW/Goal kW)		
230% Percentage of Energy Reduction Goal Met (Reported kWh/Goal l			
TRUE Met Requirements for Performance Bonus?			
\$86,739,023 Total Avoided Cost			
\$8,683,275	Docket No. 48297 requirement (add previous bonus to current year bonus calculation)		
\$25,964,092	Total Program Costs (including bonus)		
\$60,774,931	Net Benefits		

Bonus Calculation

\$47,520,010	Calculated Bonus [(Achieved Demand Reduction/Demand Goal - 100%) / 2 * Net Benefits]
\$6,077,493	Maximum Bonus Allowed (10% of Net Benefits)
\$6,077,493	Bonus (Minimum of Calculated Bonus and Bornis Limit)

Sponsored by: Robert Cavazos

Schedule E Calculation of Requested EECRF by Customer Class Using Direct Astronoment of EECRF Program Costs

AEP Texts inc	Update	
2024 Program Costs	\$18 694 458	75 26%
EM&V Evaluation of PY 2023	\$233 450	0.94%
2022 Over Recovery	(\$224 236)	-0 90%
2022 Interest	(\$2,941)	-0 01%
Calculated Performance Bonus for 2022	\$6,077,493	24 47%
EECRF Proceeding Expenses DN 53679	\$56.305	0 22%
Adjusted EECRF Revenue Requirement	\$24 633 529	100 00%

	Total Adjusted 2024 EECR			
	Revenue	2024 Forecasted	2024 EECR	
Class	Requirement	Bring Unit	Factor	Unit
Rendertini	\$13,368,742	13 415 124 420	50 000996	kWh
Secondary <= 10 kW	\$490 494	715 391 953	50 000686	kWhi .
Secondary > 10 kW	S8 583 182	9 451 878 742	S0 000908	MAN
Primary	\$2,393,111	4 258 139 342	SO 000562	kWM1
Transmission	SU	-	50 000000	KW
Lighting	\$0	253 293 740	50 000000	kWh
Total	201873 228 49	•	•	

	2024 EECRF Program Costs	2022 Over/Under		EECRF Proceeding Expenses DN	Total 2024 EECRF Revenue	2024 Forecasted	
Class	with EM&V	With Interest	2022 Bonus	53679	Requirement	Billing Unit	2024 EECR Factor Unit
Residential	510 144 362	(\$141 412)	3,334,152	\$29 641	\$13,366,742	13,418,124 420	\$0 000996 KWh
Secondary <= 10 kW	\$407 620	(\$32,438)	S114 122	S1 191	\$490,494	715,391,953	\$0.000686 kWh
Secondary > 10 kW	\$6,696,619	(\$152.878)	\$2,017,868	\$19 573	\$8,583,182	9,451,878,742	\$0 000000 kWh
Primary	\$1677307	999 551	\$611 351	54 901	S2 393 111	4 258 139 342	\$0 000582 kWh
Trensmission	50	S0	90	50	50	-	\$0 000000 KW
Lighting	\$0	SO	\$0	50	SO	253,293,740	\$0 000000 kWh
Total	518,927 906	(\$227 177)	\$6,077,483	\$56 305	\$24,833,529		

AEP TEXAS Schedule F

TARIFF FOR ELECTRIC DELIVERY SERVICE

Applicable: Certified Service Area

Chapter: 6 Section: 6.1.1 Section Title: Delivery System Charges

Revision: Fourth Effective Date: March 1, 2024

Recovery Factors

6.1.1.4.2 Rider EECRF - Energy Efficiency Cost

Т

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

Rate Schedule	<u>Factor</u>	
Residential Service	\$0.000996 per kWh	R
Secondary Service Less than or Equal to 10 kW	\$0.000686 per kWh	R
Secondary Service Greater than 10 kW	\$0.000908 per kWh	R
Primary Service	\$0,000562 per kWh	R
Transmission Service	\$0.000000 per kW	

NOTICE

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

AEP Texes Inc Adjusted Energy Efficiency Cost Recovery Factor Filing

Schedule G Cap Calculation

AEP Texas	
2024 Program Costs (no EM&V cost)	\$18,694,458
2022 Over/Under Recovery without Interest	(\$224,236)
Calculated Performance Bonus - 2022	\$6,077,493
AEP Texas EECRF Proceeding Expenses	\$48,788
Adjusted EECR Revenue Requirement*	\$24 506 483

fine municipal EECRF proceeding expenses or EM&V costs or interest on the overfunder recovery are included in the capitalisation.

	Total Adjusted 2024 EECRF Revenue		2024 EECR	
	Requirement (no EM&V	2024 Forecasted	Factor (no	
Class	cost)	Biling Unit	EM&V)	Und
Residential	\$13,239,952	13 418, 124 420	\$0,000987	k₩h
Secondary <= 10 KW	\$485,746	715,391,953	S0 000679	kWh
Secondary > 10 KW	\$8,500,229	9 451,878,742	SO 000899	kWh
Primary	\$2,370,556	4 258,139,342	S0 000557	kWh
Transmission	\$0	0	\$0 000000	kW
Total (no EM&V cost)	24,596,483	27 843,534,457		

	So	outh Urben CPI	8 58%
1			
	2024 EECR Factor (no		1
Cless	_ EMAV)	2023 Cap	2024 Cap
Residential	\$0 000987	SO 001433	\$0.001556
Non-Residential	\$0 D00787	\$0,000896	\$0 000973

Calculation of Non-Residential per kWh Rate				
2024 Rev Req	\$11,356,530			
2024 kWh	14 425,410,037			
Combined per kWh	\$0 000 787			

2021 Cap Analysis	Actual 2022 Program	2020 Performence	2020 (DVU (less EM&V and	2022 Biling kWh	2022 Cost Cap	2022 Cap As Prescribed
Class	Costs*	Bonus	mterest)	(less ID Notice)	Based on Actuals	n §25 181(f)(8)(B)
Residential	\$9 356,834	\$4,916,508	\$205,950	12,987 591 522	\$0 001117	\$0 001364
Non-Residential	\$7 643,868	\$3,756,767	(\$77,076)	13,928 979 134	\$0,000813	\$0,000853
Total	\$17,000,803	\$8 673 275	\$128,874	26,896,570,656		

lless TetraTech EM&V costs & muni expenses

AEP Texas Inc Adjusted Energy Efficiency Cost Recovery Factor Filing

Schedule H

AEP Texas Projected 2024 Retail kWh Sales	37,592 888,483

Rate Classes	2022 Historical Billing Units	Percent of Total kWh	Customer ID Notice kWh	2024 Forecasted Billing Unit Less ID Notice Customers	Unit
Residential	12.967,591 522	35 89%		13,418 124,420	kWh
Secondary <= 10 kW	692,741,919	1.91%	1,417 967	715,391 953	kWh .
Secondary > 10 kW	9,137 841,187	25 15%	3 438,330	9 451,878 742	KWh
rimary	4,456 078 060	12 27%	354 825,735	4 258,139 342	KW h
Fransmission	8 829,811 054	24 30%		9,138 378,254	kWh
.ighting	244,789,054	0.67%		253 293,740	KWh
Total	36,330 652,796	100 00%	359 682,032	37,233,206,451	
		1	O Notice KWh	359 682 032	
			Total 2024 kWh	37 502 888 483	

Schedule I

AEP Texas does not have energy efficiency costs in base rates.

Sponsored by: Robert Cavazos

Schedule J

2023 Energy Efficiency Service Providers
Who Received Incentives from the Energy Efficiency Programs in 2023

A list of the energy service provides, those receiving more than 5% of the total incentive funds for 2023 and the associated contracts are provided.

The information provided in Schedule J is voluminous. The information is also CONFIDENTIAL, under the terms of the Protective Order. The Confidential information is available for review at the Austin offices of American Electric Power Company (AEP), 400 West 15th Street, Suite 1520, Austin, Texas, 78701, (512) 481-4562, during normal business hours, by parties to this case who have agreed to be bound by the Protective Order.

Schedule K

There are no affiliate costs in the AEP Texas filing.

Schedule L Bidding and Engagement Process

AEP Texas has several procedural paths through which it contracts with energy efficiency service providers (EESPs) for the purpose of implementing energy efficiency and demand response (EE/DR) programs to achieve its goals. The procedures and processes AEP Texas uses differs according to the program type, as shown in more detail below.

Standard Offer Program (SOP) Process

AEP Texas posts specific program application procedures and timelines along with program manuals on its web site (aeptexas.com/save). In accordance with the published schedule, EESPs may submit their project applications and all supplemental documentation required for participation in a program.

As part of the application process, EESPs describe the project measures to be installed, including applicable measurement and verification methods (M&V). As required, the M&V plan may include approved deemed savings values or the appropriate International Performance Measurement and Verification Protocol (IPMVP) to be utilized.

AEP Texas reviews each Project Application on a first-come, first-served basis. AEP Texas awards contracts based upon each EESP's timely and complete submission of qualifications, history and appropriate reference information, and potential ability to help meet program goals. AEP Texas may request clarification of, or additional information about any item submitted as part of the Project Application. A Project Application may be rejected for failure to meet the required procedures or deadlines.

Each EESP is notified of its application status according to program procedures and, if approved as a Project Sponsor, the associated incentive budget. For residential projects, AEP Texas and the approved Project Sponsor enter into a standard offer agreement contract. When the SOP agreement is fully executed, the Project Sponsors may begin to solicit and engage residential customers to implement eligible EE measures.

EESPs or qualified commercial customers identify and submit applications for the installation of EE measures at commercial customer sites. Applications are reviewed as described above. AEP Texas and the approved Project Sponsor enter into a standard offer agreement for the implementation of the EE measures or projects at commercial customer sites.

Schedule L Bidding and Engagement Process

Market Transformation Program (MTP) Process

AEP Texas may implement an MTP as a full program or as a limited MTP pilot. Programs may be selected based on a concept presented by an EESP or from observation of successful programs already implemented at another utility. For programs proposed by an EESP that are deemed viable, A may contract with the initiating EESP to implement the program on a limited pilot basis for a period typically no longer than two years.

When a pilot program has been deemed successful by AEP Texas and a baseline study has been completed, a competitive solicitation process is implemented. A Request for Proposals (RFP) is developed and may be posted on industry-related websites and/or may be sent electronically to all EESPs who have contacted AEP Texas and expressed an interest in implementing such programs in the Texas market.

Interested EESPs submit program proposals according to the published requirements and schedule. AEP Texas forms an internal proposal evaluation and scoring team, and all proposals are individually evaluated according to standard scoring criteria. References submitted by EESPs are contacted and interviewed. Scoring and reference results are consolidated and the EESP proposal with the highest score is selected for further negotiation as the program implementer.

SCHEDULE M

Residential & Commercial EULs

Sector	Sector TRM Measure Energy Efficiency Measure		EUL (years)	TRM Version
Custom	NA	Custom	HA	NA.
Tenubential	2.1.1	Res Energy Star Omni-Directional LED Lamps (Standard Baseline)	8.0	9.0
Residential	211	Res Energy Star Omni-Directional LED Lamps (Low Income Baseline)	10.0	9.0
Residential	212	Res Energy Star Specialty and Directional LED Lamps (EISA Compliant, Standard Baseline)	8.0	9.0
Residential	212	Res Energy Star Specialty and Directional LED Lamps (EISA Compliant, Low Income Baseline)	10.0	9.0
Residential	212	Res Energy Star Specialty and Directional LED Lamps (Non-BSA Compliant, 15 000 hour Rated Measure Life)	16.0	90
Residential	232	Res Energy Star Specialty and Directional LED Lamps (Non-ESA Compliant, 30,000 hour Rated Measure Life)	20.0	9.0
Residential	221	Res AC or HP Tune-Ups	5.0	9.0
Residential	222	Res Duct Efficency Improvement	18.0	9.0
Residential	223	Res Ground Source Heat Pumps	20.0	9.0
Residential	224	Res Central Air Conditioners	18.0	9.0
Residential	224	Res Central Heat Pumps	15.0	9.0
Plenudential	225	Res Mini-Spit Air Conditioners	18.0	9.0
Residential	225	Res Mini-Split Heat Pumps	150	90.
Tesidential	226	Res Large Capacity Spit System and Single-Package AC	16.0	9.0
Residential	2.26	Res Large Capacity Split System and Single-Package HP	15.0	9.0
Residential	227	Res PTHPs	15.0	9.0
Residential	2.28	Res Room Air Conditioners	10.0	9.0
Residential	229	Res Connected Thermostats	110	9.0
Residential	2210	Res Smart Theirmostal Load Management	1.0	9.0
Residential	2211	Res Evaporative Cooling	15.0	9.0
Residential	231	Res Ar Infiltration	11.0	9.0
residential	212	Res Ceiling Insulation	25.0	9.0
Residential	233	Res Attic Encapsulation	25.0	9.0
Residential	234	Res Wall Insulation	25.0	9.0
Residential	235	Res Floor Insulation	25.0	9.0
Residential	236	Res Windows	25.0	9.0
Residential	237	Res Low E Storm Windows	20.0	9.0
Residential	238	Res Solar Screens	10.0	9.0
Residential	239	Res Cool Roofs	15.0	9.0
Residential	241	Res Faucet Aerators	10.0	90
Residential	242	Res Low-Flow Showerheads	10.0	9.0
Residential	243	Res DHW Pipe Insulation	13:0	9.0
Residential	244	Res DHW Tank Insulation	7.0	90
Residential	245	Res DHW Installation, Electric Tackless	20.0	9.0
Residential	245	Res DHW Installation: Gas (Fuel Substitution)	11.0	9.0
Residential	246	Res Heat Pump Water Heater	13.0	9.0
Residential	247	Res DHW Replacement, Solar	15.0	9.0
Residential	248	Res Showerhead TSRVs	10.0	9.0
Residential	249	Res Tub Spout/Showerhead TSRVs	10.0	90
Residential	251	Res Ceiling Fans	10.0	90
Residential	252	Res Clothes Washer	11.0	9.0
Residential	253	Res Clothes Dryers	16.0	9.0
tesiderdai	254	Res Distrikashers	15.0	9.0
Residential	25.6	Res Refrigerators	16.0	9.0
Yesidential	256	Res Frecers	22.0	9.0
Tenderdal	257	Res Pool Furres	10.0	9.0
Residential	258	Res Air Purifiers	9.0	9.0
Residential	259	Res Advanced Power Strips	10.0	9.0
Tesidential	25.10	Res Electric Vehicle Supply Equipment	10.0	9.0
riesidential	25 11	Res Refrigerator/Freezer Recycling	8.0	9.0
Commercial	211	Corn Lamps and Fixtures. Halogen Lamps	1.5	9.0
Commercial	211	Com Lamps and Fixtures. High Intensity Discharge Lamps	15.0	9.0
Commercial	211	Corn Lamps and Fixtures. Integrated-ballast CCFL Lamps	4.5	9.0
Commercial	211	Com Lamps and Fixtures. Integrated-ballest CFL Lamps	2.5	9.0
Commercial	211	Com Lamps and Fixtures Integral LED Lamps	9.0	9.0
Commercial	211	Com Lamps and Fixtures LED Fixtures	15.0	9.0
Commercial	211	Com Lamps and Fixtures LED Com Cobs	15.0	9.0
Commercial	211	Corn Lamps and Firtures LED Tubes	15.0	9.0
Commercial	2.11	Com Lamps and Fixtures. Modular OFL/COFL Fixtures	15.0	9.0
Commercial	211	Com Lamps and Fixtures. 19/15 Linear Fluorescents	15.0	9.0
Commercial	2.1.1	Com New Construction Interior Fixtures/Controls	14.0	9.0
Commercial	211	Corn New Construction Exterior Fixtures	15.0	9.0
Commercial	212	Com Lighting Controls (Occupancy Sensor)	10.0	9.0
Commercial	212	Corn Lighting Controls (Daylighting Control)	10.0	9.0
Commercial	212	Com Lighting Controls (Time Clock)	10.0	9.0
Commercial	212	Corn Lighting Controls (Tuning Control)	10.0	9.0

SCHEDULE M

Residential & Commercial EULs

Commercial	2.1.3	Com LED Traffic Signals, if and 12 Red, Green, and Yellow Ball	6.0	9.0
Commercial	213	Corn LED Traffic Signals. If and 12 Red. Green, and Yellow Arrow.	6.0	9.0
Commercial	2.13	Com LED Traffic Signals: Large (16"x18") Pedestrian Signal	5.0	9.0
Commercial	213	Corn LED Traffic Signals. Small (12'x12') Pedestrian Signal	5.0	9.0
Commercial	221	Com ACHP Tune-Up	5.0	9.0
Commercial	222	Com SpitiPackaged ACs and HPs	15.0	9.0
Commercial	223	Com HVAC Chillens Screw/Scroli/Recprocating	20.0	9.0
Commercial	223	Com HVAC Chillens Centrifugal	25.0	9.0
Convention	224	Com FTACFTHPs	15.0	90
Commercial	224	Com Rigorn Air Conditioners	10.0	9.0
Commercial	225	Corn Computer Room Air Conditioners	15.0	9.0
Commercial	226	Corn Computer Room Air Handler Motor Efficiency	15.0	9.0
Commercial	227	Com HVAC VFDs	15.0	9.0
Commercial	228	Com Condenser Air Evaporative Pre-Cooling	10.0	9.0
Commercial	229	Com High-Volume Low-Speed Farm	9.0	9.0
Commercial	2210	Com Evaporative Cooling (Small Commercial)	15.0	9.0
Commercial	231	Com Codi Roofs	15.0	90
Commercial	232	Com Window Film	10.0	9.0
Commercial	233	Com Entrance/Exit Door Air Infiltration	11.0	9.0
Commercial	241	Com Combination Ovens	12:0	90
Commercial	242	Com Electric Convection Ovens	12.0	9.0
Commercial	243	Com Dishwashers (Under Courter)	10.0	9.0
Constitution	243	Com Dishwashers (Stationary Single Tank Door)	15.0	9.0
Commercial	243	Com Dishwashers (Single Tank Conveyor)	20.0	9.0
Commercial	243	Com Dishwashers (Multiple Tank Conveyor)	20.0	9.0
Commercial	2.43	Com Diehwashers (Pot, Plan, and Utensil)	10.0	9.0
Commercial	2.44	Com Hot Food Holding Cabinets	12.0	9.0
Commercial	245	Corn Electric Fryers	120	9.0
Commercial	246	Com Electric Steam Cookers	12.0	9.0
Commercial	247	Corn Ice Makers	8.5	9.0
Commercial	2.48	Corn Demand Controlled Kitchen Ventilation	15.0	9.0
Commercial	249	Com Fre-Rinse Spray Valves	5.0	9.0
Convercial	2410	Com Vacuum-Sealing and Packaging Machines	10.0	9.0
Commercial	251	Com Door Heater Controls	12.0	9.0
Commercial	252	Corn ECM Evaporator Fan Motors	15.0	9.0
Commercial	2.53	Corn Electronic Defrost Controls	10.0	9.0
Commercial	25.4	Com Evaporator Fan Controls	16.0	9.0
Commercial	2.55	Com Night Covers	50	9.0
Commercial	256	Com Solid/Glass Door Reach Ins	12.0	9.0
Commercial	257	Com Strip Curtains	4.0	9.0
Commercial	258	Com Zero-Energy Doors	120	9.0
Commercial	259	Com Door Gaskets	3.0	9.0
Commercial	2510	Com High Speed Doors for Cold Storage	50	9.0
Commercial	2.61	Com Central DHW Controls	15.0	9.0
Commercial	2.6.2	Com Showerhead TSPIVs	10.0	9.0
Commercial	263	Com Tub Spout/Showerhead TSRVs	100	9.0
Commercial	271	Corn Vending Machine Controls	5.0	9.0
Commercial	272	Corn Lodging Guest Room Occupancy Sensors	10.0	9.0
Contractal	273	Com Pump-Off Controllers	15.0	9.0
Commercial	274	Com Fooi Pumps	10.0	9.0
Commercial	275	Com PC Power Management	3.0	9.0
Commercial	276	Com Premium Efficiency Motors	15.0	9.0
Commercial	277	Com Electric Vehicle Supply Equipment	10.0	9.0
Commercial	2.7.8	Corn VFDs for Water Pumping	128	90
Commercial	27.9	Corn Steam Trup Repair and Replacement (standard)	6.0	9.0
Commercial	279	Com Steam Trap Repair and Replacement (venturi)	20.0	9.0
Commercial	2710	Com Hydraulic Geal Lubricants	10.0	90
Commercial	2711	Com Hydraulic Oils	10.0	90
Measurement and b	211	M&V AC Tune-Ups	20.0	90
Measurement and V	212	M&V Ground Source Heat Pumps	15.0	9.0
Measurement and V	213	M&V Variable Refrigerant Flow Systems	23.0	90
Measurement and V	221	M&V Res New Construction	30.0	90
Measurement and V	231	M&V Res Sour PV	30.0	90
Measurement and V	232	M&V Non-Res Solar PV		
Measurement and V	233	M&V Solar Shingles	20.0	9.0
Measurement and V	234	M&V Scar Attic Fans	15.0	9.0
Measurement and V	241	M&V Behavioral	10	9.0
Measurement and V	242	M&V Air Compressors (less than 75hp)	10.0	9.0
Measurement and V	243	M&V Non-Res Retro-Comesioning	5.0	9.0
Measurement and V	244	M&V Thermal Energy Storage	15.0	9.0
Measurement and V	251	M&V Res Load Curtainent	1.0	9.0
Measurement and V	252	M&V Non-Res Load Curtaiment	1.0	90

Schedule N

2024 Projected Energy Efficiency Goals and Objectives

Average Peak Demand at Meter (MW)	Goal Metric: 0.4% Peak Demand (MW)	Peak Demand Goal (MW)	Energy Goal (MWh)	Projected Demand Reduction (MW)	Projected Energy Savings (MWh)
5,387	21.55	21.55	37,756	60.93	76,758

Schedule O

2024 Projected Energy Efficiency Program Savings

	2024		
Customer Class and Program	Demand Reduction Target (MW)	Energy Savings Target_(MWh)	
Commercial			
Commercial Food Service Pilot MTP	40,83	276,622	
Commercial Solutions MTP	1,664	7,458,262	
Commercial SOP	3,133	16,316,286	
CoolSaver© A/C Tune-Up MTP	3,466	8,047,475	
Load Management SOP	26,308	26,308	
Open MTP	1,215	5,234,159	
SCORE/CitySmart MTP	2.463	8,259,385	
SMART Source SM Solar PV MTP	269	903,022	
Winter Load Management SOP	12,768	12,768	
Residential			
CoolSaver A/C Tune-Up MTP	1.594	6.250,000	
High-Performance New Homes MTP	2,215	3,703,316	
Residential SOP	2,785	11,187,718	
SMART Source SM Solar PV MTP	759	2,484,661	
Hard-to-Reach			
Hard-to-Reach SOP	1,408	5,065,232	
Targeted Low-Income Energy Efficiency Program	840	1,532,434	
Total Annual Projected Savings	60,929	76,757,648	

SCHEDULE P

2022 Energy Efficiency Programs' Cost - Net Benefit Ratio

		Progra	m Cost-effective	ness Summary	<u> </u>	•		
Year	Savings		Costs Total Program Costs	Benefits				Benefit-Cost
Customer Class and Program	kw kwh			Avoided Capacity Costs	Avoided Energy Costs	" Total Avoided Cost	Net Benefits	Ben-Cost Ratio
Commercial	43,467.6	51,119,335.2	11,779,683.7	11,581,336.4	39,216,364.3	50,797,700.6	39,018,016.9	
Commercial Solutions	1,649	7,980,776	\$ 1,512,769	\$ 1,363,248	\$ 6,991,568	\$ 8,354,816	\$ 6,842,048	5.52
Commercial SOP	3,131	15,955,810	\$ 3,250,798	\$ 2,512,441	\$ 13,414,663	\$ 15,927,104	\$ 12,676,308	4 90
CoolSaver - Commercial	5,711	11,685,066	\$ 1,468,583	\$ 2,013,401	\$ 4,376,987	\$ 6,390,388	\$ 4,921,805	4.35
Load Management SOP	28,968	28,968	\$ 1,395,213	\$ 2,220,563	\$ 2,359	\$ 2,222,922	\$ 827,709	1.59
Орел МТР	1,252	4,529,866	\$ 1,823,555	\$ 1,021,081	\$ 4,038,575	\$ 5,059,656	\$ 3,236,102	2 77
SCORE/CitySmart	2,437	9,927,928	\$ 2,024,690	\$ 2,026,823	\$ 8,969,649	\$ 10,996,472	\$ 8,971,782	5 43
Solar - Commercial	320	1,010,922	\$ 304,076	\$ 423,779	\$ 1,422,563	\$ 1,846,342	\$ 1,542,266	6.07
Residential	7,796	26,316,690	8,936,352	7,310,266	21,722,907	29,033,173	20,096,821	
CoolSaver - Residential	1,522	7,753,843	\$ 1,395,805	\$ 576,301	\$ 3,025,933	\$ 3,602,234	\$ 2,206,429	2.58
High - Performance Homes	2,657	4,578,039	\$ 1,461,548	\$ 3,046,502			\$ 7,088,836	5 85
Residential SOP	2,720	10,761,775	\$ 5,034,342	\$ 2,499,325	\$ 8,657,657	\$ 11,156,982	\$ 6,122,640	2.22
Solar - Residential	897	3,223,034	\$ 1,044,658	\$ 1,188,139	\$ 4,535,434	\$ 5,723,573	\$ 4,678,915	5.48
Hard-to-Reach	2,141	6,479,039	5,241,519	1,813,080	5,095,070	6,908,150	1,666,631	
Hard to Reach SOP	1,470	5,247,286	\$ 2,438,868	\$ 1,194,454	\$ 3,921,941	\$ 5,116,394	\$ 2,677,526	2 10
Targeted Low Income Program	671	1,231,753	\$ 2,802,650	\$ 618,626	\$ 1,173,129	\$ 1,791,756	\$ (1,010,895)	0.64
Portfolio Total	53,404	83,915,065	25,957,555	20,704,683	66.034.341	86,739,023	60,781,469	3.34

AEP Texas Inc. Adjusted Energy Efficiency Cost Recovery Factor Filing

Schedule Q System and Line Losses

The AEP Texas kWh sales forecast for 2024 is based on energy delivered at the meter so it was not necessary to adjust the EECRF factors for system and line losses.

Schedule K

2024 Energy Efficiency Programs

Program	Customer Class	Description
Commercial Food Service Pilot MTP	Commercial	The Productive MTP targets commercial foodscrytce participants and market actors. This program will feature a point- of-eale rebate at the foodscrytce equipment dealer and will engage other key market actors to stimulate the adoption of energy efficient equipment.
Commercial Solutions KELP	Commercial	Provides energy officiency and demand redoction solutions for commercial customers identified as having a need for energy efficiency improvements and needing support from an outside source. Pseutostes the identification of demand and energy savings opportunative, operating characteristics, program design, long-range energy efficiency planning and overall measure and program acceptance by the targeted customers. Increasives are paid to participating customers for eligible measures installed in now or retroful applications, which provide verifiable demand and energy savings.
Commercial SOP	Commercial	Provides increases for the installation of a wide range of measures that reduce contenter energy costs and reduce peak demand and or save energy in non-residential facilities. Contents after may maltide hotels, solocols, mental-soluting facilities, restatuants, and larger grocery states. Eligible measures as lighting, new or replacement childer systems, high efficiency pumping systems, and other similar technologies. Incentives are paid to project spousors based on devined savings or on verified peak demand and or energy savings using the international Performance Measurement and Verification Protocol
CoolSever A/C Tale- up MTLP	Commercial & Residential	Offers assistance to contractors in obtaining the tools and expertise that will allow them to develop quantitative savings information for comprehensive time-ups. This program targets contractors that provide air conditioning system time-up services to residential and commercial customers. The program also provides meetings for residential high officiency our conditionarized pump replacements. The program implementer targets various air conditioning equipment chairbotter networks and organizations by phone and see visits to gauge their interest in the program.
Lland-to-Resuch SCV	Ikard-to-Reselt	Targets a specific subset of residential customers defined by 15 FAC § 25 181(e)(27) as customers with a total household means that is less than 200% of the federal powerty guidelines. The program provides meentives for the installation of a wide range of measures that reduce residential customer energy costs and peak demand. It is designed to cost-offectively provide energy offerency improvements to individual households at no or very low cost. Diagrate measures include replacement air conditioners, wall and evaling insulation and air distribution duel improvements in consting homes incentives are pead to through Ufficiency Service Providers (IIIISPs) for eligible measures on the basis of decemed savings.
High Performance New Homes MTP	Residential	Targets homologiders and residential consumers. The program's goal is to create conditions where consumers are demand EMERGY STAR qualified homes. Incentives are paid to homed-validate who construct homes to street energy efficient building guidelines that are at least 10% above the local building code.
Load Management SOP	Commercial	Targets commercial customers that have a numinum demand of SIO kW or more. Incentives are paid to project sponsors that can identify and interrupt electric load on short notice. These payments are based on the verified demand savings methodology identified in the Texas TRM.
Орен МТР	Commercial	Targets small commercial customers (peak Armands not exceeding 100 kW in the previous 10 consecutive billings installs) with limited slating to implement energy efficiency measures or to securely seek the help of a professional PLSP Available insentings are paid directly to the contractor, thereby reducing a portion of the project cost for the contractor, thereby reducing a portion of the project cost for the contractor.
Rendential SUP	Residential	Provides incentives for the installation of a wide range of measures that reduce readening extensive energy costs and confederably reduce peak demand. It is also designed to encourage prevate sector delivery of energy officient products and services. Elligible measures include replacement air conclusions, wall and coaling insulation and air distribution duel improvements. Interdives are paid to Project Sponsors for obgible measures installed in retrofic applications on the basis of deemed savings.
SCORE-CitySmert MTP	Commercial	Provides energy efficiency and demand reduction solutions for governmental and educational customers SCORL-ChySmart will facilitate the identification of demand and energy savings opportunities, operating characteristics, long-range energy officiency planning and overall measure and program acceptance by the largested customers. Instantive are paid to governmental, and educational customers for certain measures installed in new or retroft applications, which provide vertilable demand and energy savings.
SMART Sauce ⁵⁸¹	Commercial &	Provides meentives for residencial and commercial outlomers that install solar electric (photovoltane) systems
Solar PV MTP	Residential	interconnected on the customer's side of the electric service motor
Targeted Low-Income Energy Efficiency Program	Low-Income Residential	Designed to cost-effectively reduce the energy communition and energy costs of participating low-income customers. The program provides eligible residential customers with appropriate weatherization measures and basic on-site energy education. This program enhances and supplements the federally funded Weather zation. Assistance Program
Winter Load Management SOP	Commercial	The WLM SOP targers non-residential customers with a peak electric demand of 500 kW or more and able to reclude at least 100 kW demand or more during a dustailment event. Custailment events occur during the program operating period. December 1 through February 28, 24 hours a day, seven days a week. Program participants include non-residential customers and Market. Activit that include national viologal energy efficiency service providers, commercial aggregation groups and retail electric providers (REPS). Load customer events are disperched by AEP Texas to the program participants providing a 30-minute advance non-fication and will have a one-to-four-hour durance. Incentive payments are based on the average measured and verified demand reduction during the program operating period.

AEP Texas Inc.

2023 Energy Efficiency Plan and Report 16 Tex. Admin. Code §§ 25.181, 28.182 and 25.183

Amended June 1, 2023

Project No. 54470



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