The Empire District Electric Company

EO-2022-0193

Missouri Asbury Securitization
Asbury Environmental Cost Regulatory Assets

				To	tal Company	Missouri	To	otal Missouri	
Line					Pro Forma	Update		Pro Forma	
No.	FERC	Description	Reference	A	Adjustment	Allocations (1)	,	Adjustment	
	(a)	(b)	(c)		(d)	(e)	(f) = (d) x (e)		
ASBURY E	NVIRONMEN	NTAL COST REGULATORY ASSETS							
1		Environmental Cost Regulatory Assets							
2	182	Asbury Asbestos		\$	678,108	84.04%	\$	569,882	
3	182	Asbury CCR Impoundment			760,117	84.04%		638,802	
4		Total Settlements Paid 01/1970 - 01/2020:			1,438,225			1,208,685	
5		Environmental Cost Regulatory Assets							
6	182	Asbury CCR Impoundment			53,310	88.53%		47,194	
7		Total Settlements Paid 02/2020 - 09/2020:			53,310			47,194	
8		Environmental Cost Regulatory Assets							
9	182	Asbury CCR Impoundment			157,871	88.53%		139,757	
10		Total Expected Settlements Paid 10/2020 - 06/2021:			157,871			139,757	
11		Environmental Cost Regulatory Assets							
12	182	Asbury Asbestos			16,426	88.53%		14,541	
13	182	Asbury CCR Impoundment			95,429	88.53%		84,480	
14		Total Expected Settlements Paid 07/2021 - 01/2022:			111,855			99,021	
15		Environmental Cost Regulatory Assets							
16	182	Projected Costs (2)			-	88.53%		-	
17		Total Projected Settlements Paid 02/2022 - 04/2022:			-			-	
18	182	Total Asbury Environmental Cost Regulatory Assets:		\$	1,761,262		\$	1,494,657	

Footnote

Source: ARO Settlements paid at January 2020 (true-up period of ER-2019-0374), ARO Settlements paid between February 2020 and September 2020, and settlements paid for October 2020 to June 2021, and settlement paid for July 2021 to January 2022 were obtained from Property Accounting.

Purpose: To determine the amount of capital expenditures related to Asbury related environmental activities that have been settled or are expected to be settled and paid by the end of the update period. Due to the Asbury generating unit being retired as of the test year of this case, there is no accumulated depreciation balance on the books to apply these costs to as directed to in the Amended Report and Order in ER-2019-0374. When the unit retired, all non-recovered costs (inclusive of Accumulated Depreciation) were booked to a regulatory asset; therefore, this adjustment is offsetting the remaining accumulated reserve balance included in the Asbury stranded costs regulatory asset.

Decision

The Commission has not generally allowed for the recovery of ARO's because without a legal obligation, these future costs were not known and measureable. However, the evidence in this case shows that the costs at issue to remove asbestos at the Asbury and Riverton generating units, as well as, costs paid to settle obligations for the coal ash ponds at Asbury, latan, and Riverton are not ARO's. Instead, these costs have already been paid by Empire, but not yet recovered in rates. The cost of removal of asbestos at Asbury and costs associated with the operation of certain ash ponds at Asbury and latan

^{(1) -} Amounts settled and paid at January 2020 were approved in ER-2019-0374 to be included in this case; therefore, the jurisdictional allocations approved in ER-2019-0374 are being applied to those amounts. Settlements paid out since January 2020 have the jurisdictional allocations being proposed in the current case.

^{(2) -} No projected costs are being included here as they are getting picked up in the Additional ARO cost lines of the Asbury Securitization Cost summary document.

shall be charged to the accumulated depreciation reserve of each respective generation facility. However, for the Riverton ash pond, which has already been retired, the costs

shall be captured in a regulatory asset to be considered in Empire's next rate case.

company_id description	liability_account	beginning_liability	liability_incurred	liabilities_settled	accretion	revisions	gain_loss	adjust	ending_liability	description	aro_id	start_month	end_month
1 Financial Set of Books	230100	-	1,281,611.91	(678,108.22)	376,564.87	-	-	-	980,068.56	Asbury Asbestos	3653466	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	5,448,730.50	(760,117.18)	1,724,029.31	13,694,422.17	-	-	20,107,064.80	Asbury CCR Impoundment	6867940	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	4,362,775.69	(5,453,512.12)	674,518.12	2,276,935.22	12,717.66	-	1,873,434.57	latan I CCR Impoundment	6941356	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	=	170,757.62	-	92,877.24	=	-	-	263,634.86	latan Levee Piping	3653461	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	196,371.46	-	106,809.00	=	-	-	303,180.46	latan Water Intake	3653402	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	503,217.03	-	220,612.76	=	-	-	723,829.79	PCB Sub Transformers and Equip	4362026	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	269,157.85	-	118,000.14	=	-	-	387,157.99	PCB Transformers	4361982	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	49,633.64	-	22,527.54	10,076.77	-	-	82,237.95	Plum Point Solid Waste Land Fill	3653464	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	844,811.46	(2,617,628.53)	430,959.13	2,704,987.08	(1,363,129.14)	-	-	Riverton Asbestos	3653465	1/1/1970 0:00	1/1/2020 0:00
1 Financial Set of Books	230100	-	1,162,888.69	(1,427,855.33)	114,261.56	=	150,705.08	-	-	Riverton Ash Pond	4362040	1/1/1970 0:00	1/1/2020 0:00
										<u></u>			
			14,289,955.85	(10,937,221.38)	3,881,159.67	18,686,421.24	(1,199,706.40)	-	24,720,608.98	<u> </u>			

SOURCE: PowerPlan / Assets / ARO / Reports / ARO - 1000 / Financial Set of Books / Empire District Electric / Life to Date "01-2020"

		ARO L	iability Balances a	nd Activity		Period Be Period En			
		Set of	Books: Financial	Set of Books		r enou En	ding.		
Company GL Account	Beginning Liability	Liabilities Incurred	Liabilities Settled	Accretion	Revisions	Gain/Loss	Accretion and Liab. Adjust	Ending Liability	
Empire District Electric									
230100 Asset Retirement Obligation									
Asbury Asbestos	\$0.00	\$1,281,611.91	(\$678,108.22)	\$376,564.87	\$0.00	\$0.00	\$0.00	\$980,068.56	
Asbury CCR Impoundment	\$0.00	\$5,448,730.50	(\$760,117.18)	\$1,724,029.31	\$13,694,422.17	\$0.00	\$0.00	\$20,107,064.80	
latan I CCR Impoundment	\$0.00	\$4,362,775.69	(\$5,453,512.12)	\$674,518.12	\$2,276,935.22	\$12,717.66	\$0.00	\$1,873,434.57	
latan Levee Piping	\$0.00	\$170,757.62	\$0.00	\$92,877.24	\$0.00	\$0.00	\$0.00	\$263,634.86	
latan Water Intake	\$0.00	\$196,371.46	\$0.00	\$106,809.00	\$0.00	\$0.00	\$0.00	\$303,180.46	
PCB Sub Transformers and Equip	\$0.00	\$503,217.03	\$0.00	\$220,612.76	\$0.00	\$0.00	\$0.00	\$723,829.79	
PCB Transformers	\$0.00	\$269,157.85	\$0.00	\$118,000.14	\$0.00	\$0.00	\$0.00	\$387,157.99	
Plum Point Solid Waste Land Fill	\$0.00	\$49,633.64	\$0.00	\$22,527.54	\$10,076.77	\$0.00	\$0.00	\$82,237.95	
Riverton Asbestos	\$0.00	\$844,811.46	(\$2,617,628.53)	\$430,959.13	\$2,704,987.08	(\$1,363,129.14)	\$0.00	\$0.00	
Riverton Ash Pond	\$0.00	\$1,162,888.69	(\$1,427,855.33)	\$114,261.56	\$0.00	\$150,705.08	\$0.00	\$0.00	
GL Account Total:	\$0.00	\$14,289,955.85	(\$10,937,221.38)	\$3,881,159.67	\$18,686,421.24	(\$1,199,706.40)	\$0.00	\$24,720,608.98	
Company Total:	\$0.00	\$14,289,955.85	(\$10,937,221.38)	\$3,881,159.67	\$18,686,421.24	(\$1,199,706.40)	\$0.00	\$24,720,608.98	
ncial Set of Books Set of Books Total:	\$0.00	\$14,289,955.85	(\$10,937,221.38)	\$3,881,159.67	\$18,686,421.24	(\$1,199,706.40)	\$0.00	\$24,720,608.98	
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company_id	l description	liability_account	beginning_liability	liability_incurred	liabilities_settled	accretion	revisions	gain_loss	adjust	ending_liability	description	aro_id	start_month	end_month
	1 Financial Set of Books	230100	980,068.56	-	-	29,829.59	-	-	-	1,009,898.15	Asbury Asbestos	3653466	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	20,107,064.80	-	(53,310.42)	351,446.12	-	-	-	20,405,200.50	Asbury CCR Impoundment	6867940	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	1,873,434.57	-	(301,231.43)	33,066.97	-	=	-	1,605,270.11	latan I CCR Impoundment	6941356	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	263,634.86	-	-	9,614.63	-	-	-	273,249.49	latan Levee Piping	3653461	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	303,180.46	-	-	11,056.84	-	-	-	314,237.30	latan Water Intake	3653402	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	723,829.79	-	(1,350.50)	22,030.66	1,294,219.89	-	-	2,038,729.84	PCB Sub Transformers and Equip	4362026	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	387,157.99	-	(397,606.11)	2,959.25	-	7,488.87	-	-	PCB Transformers	4361982	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	82,237.95	-	-	2,377.54	123,725.20	=	-	208,340.69	Plum Point Solid Waste Land Fill	3653464	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	Riverton Asbestos	3653465	2/1/2020 0:00	9/1/2020 0:00
	1 Financial Set of Books	230100	-	-	-	=	-	=	-	-	Riverton Ash Pond	4362040	2/1/2020 0:00	9/1/2020 0:00
											_			
			24 720 608 98	_	(753 498 46)	462 381 60	1 417 945 09	7 488 87	-	25 854 926 08	=			

SOURCE: PowerPlan / Assets / ARO / Reports / ARO - 1000 / Financial Set of Books / Empire District Electric / Span from "02-2020" to "09-2020"

		ARO Lia	bility Balances a	nd Activity		Period Be	ginning: 2/1/20	120				
Set of Books: Financial Set of Books												
Company GL Account	Beginning Liability	Liabilities Incurred	Liabilities Settled	Accretion	Revisions	Gain/Loss	Accretion and Liab. Adjust	Ending Liability				
Empire District Electric												
230100 Asset Retirement Obligation												
Asbury Asbestos	\$980,068.56	\$0.00	\$0.00	\$29,829.59	\$0.00	\$0.00	\$0.00	\$1,009,898.15				
Asbury CCR Impoundment	\$20,107,064.80	\$0.00	(\$53,310.42)	\$351,446.12	\$0.00	\$0.00	\$0.00	\$20,405,200.50				
latan I CCR Impoundment	\$1,873,434.57	\$0.00	(\$301,231.43)	\$33,066.97	\$0.00	\$0.00	\$0.00	\$1,605,270.11				
latan Levee Piping	\$263,634.86	\$0.00	\$0.00	\$9,614.63	\$0.00	\$0.00	\$0.00	\$273,249.49				
latan Water Intake	\$303,180.46	\$0.00	\$0.00	\$11,056.84	\$0.00	\$0.00	\$0.00	\$314,237.30				
PCB Sub Transformers and Equip	\$723,829.79	\$0.00	(\$1,350.50)	\$22,030.66	\$1,294,219.89	\$0.00	\$0.00	\$2,038,729.84				
PCB Transformers	\$387,157.99	\$0.00	(\$397,606.11)	\$2,959.25	\$0.00	\$7,488.87	\$0.00	\$0.00				
Plum Point Solid Waste Land Fill	\$82,237.95	\$0.00	\$0.00	\$2,377.54	\$123,725.20	\$0.00	\$0.00	\$208,340.69				
Riverton Asbestos	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				
Riverton Ash Pond	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				
GL Account Total:	\$24,720,608.98	\$0.00	(\$753,498.46)	\$462,381.60	\$1,417,945.09	\$7,488.87	\$0.00	\$25,854,926.08				
Company Total:	\$24,720,608.98	\$0.00	(\$753,498.46)	\$462,381.60	\$1,417,945.09	\$7,488.87	\$0.00	\$25,854,926.08				
ncial Set of Books Set of Books Total:	\$24,720,608.98	\$0.00	(\$753,498.46)	\$462,381.60	\$1,417,945.09	\$7,488.87	\$0.00	\$25,854,926.08				
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company_id description	liability_account	beginning_liability	liability_incurred	liabilities_settled	accretion	revisions	gain_loss	adjust	ending_liability	description	aro_id	start_month	end_month
1 Financial Set of Books	230100	1,009,898.15	-	-	34,644.90	-	-	-	1,044,543.05	Asbury Asbestos	3653466	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	20,405,200.50		(157,871.02)	400,538.08	-	-	-	20,647,867.56	Asbury CCR Impoundment	6867940	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	1,605,270.11	-	(469,524.56)	28,073.43	-	-	-	1,163,818.98	latan I CCR Impoundment	6941356	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	273,249.49	-	-	11,236.22	-	-	-	284,485.71	latan Levee Piping	3653461	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	314,237.30	-	-	12,921.67	-	-	-	327,158.97	latan Water Intake	3653402	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	2,038,729.84	-	(29,820.41)	40,179.19	-	-	-	2,049,088.62	PCB Sub Transformers and Equip	4362026	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	PCB Transformers	4361982	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	208,340.69	-	-	11,112.10	-	-	-	219,452.79	Plum Point Solid Waste Land Fill	3653464	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	Riverton Asbestos	3653465	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	Riverton Ash Pond	4362040	10/1/2020 0:00	6/1/2021 0:00
1 Financial Set of Books	230100		275,000.01	-	1,981.32	-	-	-	276,981.33	Solar - Prosperity Facility	10624093	10/1/2020 0:00	6/1/2021 0:00
		25,854,926.08	275,000.01	(657,215.99)	540,686.91	-	-	-	26,013,397.01	_			

SOURCE: PowerPlan / Assets / ARO / Reports / ARO - 1000 / Financial Set of Books / Empire District Electric / Span from "10-2020" to "06-2021"

			ability Balances ar Books: Financial			Period Be Period En		
Company GL Account	Beginning Liability	Liabilities Incurred	Liabilities Settled	Accretion	Revisions	Gain/Loss	Accretion and Liab. Adjust	Ending Liability
impire District Electric								
230100 Asset Retirement Obligation								
Asbury Asbestos	\$1,009,898.15	\$0.00	\$0.00	\$34,644.90	\$0.00	\$0.00	\$0.00	\$1,044,543.05
Asbury CCR Impoundment	\$20,405,200.50	\$0.00	(\$157,871.02)	\$400,538.08	\$0.00	\$0.00	\$0.00	\$20,647,867.56
latan I CCR Impoundment	\$1,605,270.11	\$0.00	(\$469,524.56)	\$28,073.43	\$0.00	\$0.00	\$0.00	\$1,163,818.98
latan Levee Piping	\$273,249.49	\$0.00	\$0.00	\$11,236.22	\$0.00	\$0.00	\$0.00	\$284,485.71
latan Water Intake	\$314,237.30	\$0.00	\$0.00	\$12,921.67	\$0.00	\$0.00	\$0.00	\$327,158.97
PCB Sub Transformers and Equip	\$2,038,729.84	\$0.00	(\$29,820.41)	\$40,179.19	\$0.00	\$0.00	\$0.00	\$2,049,088.62
PCB Transformers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Plum Point Solid Waste Land Fill	\$208,340.69	\$0.00	\$0.00	\$11,112.10	\$0.00	\$0.00	\$0.00	\$219,452.79
Riverton Asbestos	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Riverton Ash Pond	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Solar - Prosperity Facility	\$0.00	\$275,000.01	\$0.00	\$1,981.32	\$0.00	\$0.00	\$0.00	\$276,981.33
GL Account Total:	\$25,854,926.08	\$275,000.01	(\$657,215.99)	\$540,686.91	\$0.00	\$0.00	\$0.00	\$26,013,397.01
Company Total:	\$25,854,926.08	\$275,000.01	(\$657,215.99)	\$540,686.91	\$0.00	\$0.00	\$0.00	\$26,013,397.01
cial Set of Books Set of Books Total:	\$25,854,926.08	\$275,000.01	(\$657,215.99)	\$540,686.91	\$0.00	\$0.00	\$0.00	\$26,013,397.01
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company	_id description	liability_account	beginning_liability	liability_incurred	liabilities_settled	accretion	revisions	gain_loss	ending_liability	adjust	description	aro_id	start_month	end_month
	1 Financial Set of Books	230100	1,044,543	-	(16,426)	70,939	2,072,361	-	3,171,417	-	Asbury Asbestos	3653466	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	20,647,868	-	(95,429)	315,392	-	-	20,867,831	-	Asbury CCR Impoundment	6867940	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	527,677	(77,609)	4,788	-	-	532,264	77,408	latan Ash Landfill Phase 1	11079097	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	982,170	-	8,914	-	-	991,084	-	latan Ash Landfill Phase II CCR	11079096	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	136,434	-	1,238	-	-	137,672	-	latan Ash Pond CCR	11079099	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	1,163,819	-	(246,464)	7,800	(697,190)	71,132	221,689	(77,408) latan Ash Pond CCR Revision	6941356	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	22,058	-	235	-	-	22,292	-	latan Fuel Storage	11079100	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	6,452	-	68	-	-	6,520	-	latan Fuel Storage 2013	11079101	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	284,486	-	-	4,102	(274,235)	-	14,352	-	latan Water Intake Equipment	3653461	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	327,159	-	-	4,489	(326,793)	(4,855	-	-	latan Water Intake Structure	3653402	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	2,049,089	-	(21,315)	31,311	-	-	2,059,084	-	PCB Sub Transformers and Equip	4362026	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	PCB Transformers	4361982	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	219,453	-	-	9,051	-	-	228,504	-	Plum Point Solid Waste Land Fill	3653464	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	Riverton Asbestos	3653465	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	-	-	-	-	-	-	-	-	Riverton Ash Pond	4362040	7/1/2021 0:00	1/1/2022 0:00
	1 Financial Set of Books	230100	276,981	-	-	4,679	-	-	281,660	-	Solar - Prosperity Facility	10624093	7/1/2021 0:00	1/1/2022 0:00
	3 Financial Set of Books	230304	-	-	-	-	-	-	-	-	Chillicothe Building	3653469	7/1/2021 0:00	1/1/2022 0:00
	22 Financial Set of Books	230100	6,809,495	-	-	139,405	-	-	6,948,900	-	Wind - North Fork Ridge	10628777	7/1/2021 0:00	1/1/2022 0:00
	24 Financial Set of Books	230100	12,846,790	-	-	269,513	-	-	13,116,303	-	Wind - Neosho Ridge	10628791	7/1/2021 0:00	1/1/2022 0:00
	26 Financial Set of Books	230100	7 071 675	_		137 780	_	_	7 209 456	_	Wind - Kings Point	10628792	7/1/2021 0:00	1/1/2022 0:00