

At the time surrebuttal testimony was filed in this case, Staff had trued up both the amortization expense and regulatory asset balance for the Customer Demand Program (DSM). After surrebuttal was filed an error was found in the formula of the supporting workpaper specifically for the calculation of the regulatory asset balance. Attached is the corrected workpaper with the new regulatory asset balance which matches Staff's position statements.

The Empire Electric Company  
ER-2019-0374  
DSM-Pre-MEEIA  
Prepared By: Caroline Newkirk

Program Expenditures as of 1/31/2020	\$13,970,328
Amortized	\$9,702,330
Remaining Balance as of 1/31/2020	\$4,267,998 <i>RATE BASE</i>
<b>Adjustment to Amortization Expense</b>	
Customer Demand Program	\$1,447,308 <i>EXPENSE</i>

Year	Asset Balance	Amort Period (Years)	Annual Amort	Monthly Amort	Number of Months:													Amortized to Date	Balance	Expiration Info		
					2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019				2020	
2006	\$115,098	10	\$ 11,510	\$ 959.15	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 11,510	\$ 115,098	\$ -	Expired Dec 2016	
2007	-\$58,011	10	\$ (5,801)	\$ (483)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (5,801)	\$ (58,011)	\$ -	Expired Dec 2017	
2008	\$571,927	10	\$ 57,193	\$ 4,766	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 57,193	\$ 571,927	\$ -	Expired Dec. 2018	
2009	\$716,700	10	\$ 71,670	\$ 5,973	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 71,670	\$ 716,700	\$ -	Expired Dec. 2019	
2010	\$1,139,387	10	\$ 113,939	\$ 9,495	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 113,939	\$ 1,034,943	\$ 104,444	Will expire Dec 2020	
*2011	\$858,217	10	\$ 85,822	\$ 7,152	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 85,822	\$ 740,450	\$ 117,767	Will expire Dec 2021	
*2011	\$634,255	6	\$ 105,709	\$ 8,809	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 105,709	\$ 634,255	\$ -	Expired Dec 2017	
2012	\$1,244,164	6	\$ 207,361	\$ 17,280	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 207,361	\$ 1,244,164	\$ -	Expired Dec. 2018	
2013	\$1,235,107	6	\$ 205,851	\$ 17,154	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 205,851	\$ 1,235,107	\$ -	Expired Dec. 2019	
2014	\$1,135,825	6	\$ 189,304	\$ 15,775	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 189,304	\$ 15,775	\$ 962,296	\$ 173,529	Will expire Dec 2020	
2015	\$1,626,185	6	\$ 271,031	\$ 22,586	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 271,031	\$ 22,586	\$ 1,106,710	\$ 519,476	Will expire Dec 2021	
2016	\$1,707,757	6	\$ 284,626	\$ 23,719	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 284,626	\$ 23,719	\$ 877,597	\$ 830,160	Will expire Dec 2022	
2017	\$897,602	6	\$ 149,600	\$ 12,467	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 149,600	\$ 12,467	\$ 311,667	\$ 585,935	Will expire Dec 2023	
2018	\$1,080,069	6	\$ 180,012	\$ 15,001	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 180,012	\$ 15,001	\$ 195,013	\$ 885,057	Will expire Dec 2024	
2019	\$1,037,848	6	\$ 172,975	\$ 14,415	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 172,975	\$ 14,415	\$ 14,415	\$ 1,023,433	Will expire Dec 2025	
2020	\$28,199	6	\$ 4,700	\$ 392	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 4,700	\$ 392	\$ -	\$ 28,199	Will expire Dec 2026	
<b>\$13,970,328</b>					<b>\$2,105,500</b>	<b>\$175,458</b>	<b>\$ 11,510</b>	<b>\$ 5,709</b>	<b>\$ 62,901</b>	<b>\$ 134,571</b>	<b>\$ 295,235</b>	<b>\$ 440,041</b>	<b>\$ 647,402</b>	<b>\$ 853,253</b>	<b>\$ 1,042,557</b>	<b>\$ 1,313,588</b>	<b>\$ 1,586,704</b>	<b>\$ 1,636,396</b>	<b>\$ 1,551,855</b>	<b>\$ 120,609</b>	<b>\$ 9,702,330</b>	<b>\$ 4,267,998</b>

**Fully amortized**

Weighted breakout doesn't match data tab but keeping in line with what was done in last case because of amortization schedule. Last case these numbers were used per company email from Joan Land on December 9, 2014 to Kim Bolin.

\*10-year amortization changed to six-year amortization for all charges incurred after June 15, 2011.

Year	REGULATORY ASSET																		TOTALS		
	Administrative & General	Interruptible Program	Low Income Weatherization (MLIW)	Change A Light	Low-Income New Homes (MLIH)	Commercial & Industrial Rebates (MCIR)	HVAC (MEAC)	Building Operator Certification (MBOC)	Evaluations	ENERGY STAR Homes (MENH)	Home Performance with ENERGY STAR (MHPPF)	Missouri Electric Residential Lighting (MERL)	AD (ADEC)	(MFL) Multi-Family Low-Income	(LIDI) Multi-Family Direct Install	FE	Total DSM Program Expenditures	Amortization	Net		
2005	\$ 10,903	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$10,903	\$0	\$10,903		
2006	\$ 54,642	\$ -	\$ 46,086	\$ 13,281	\$ -	\$ 1,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$115,098	\$0	\$115,098		
2007	\$ 4,961	\$ -	\$ 46,136	\$ 2,455	\$ 609	\$ 17,931	\$ (130,104)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$58,011	-\$12,600	-\$70,611		
2008	\$ 63,006	\$ -	\$ 194,551	\$ 36,557	\$ 994	\$ 171,539	\$ 95,659	\$ 8,000	\$ 1,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$571,927	-\$6,799	\$565,127		
2009	\$ 31,743	\$ 7,084	\$ 157,060	\$ 8,659	\$ 843	\$ 256,356	\$ 111,769	\$ 22,249	\$ 108,839	\$ 11,698	\$ 400	\$ -	\$ -	\$ -	\$ -	\$ -	\$716,700	-\$63,991	\$652,709		
2010	\$ 43,310	\$ 44,666	\$ 251,032	\$ 124,497	\$ 1,322	\$ 262,218	\$ 265,955	\$ 1,029	\$ 18,814	\$ 86,687	\$ 18,922	\$ 20,935	\$ -	\$ -	\$ -	\$ -	\$1,139,387	-\$135,662	\$1,003,725		
2011	\$ 419,826	\$ 68,667	\$ 128,629	\$ -	\$ 750	\$ 448,522	\$ 212,528	\$ 32,512	\$ -	\$ 71,726	\$ 109,313	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,492,472	-\$296,325	\$1,196,147		
2012	\$ 136,967	\$ 12,029	\$ 105,295	\$ -	\$ -	\$ 508,094	\$ 161,000	\$ 22,675	\$ -	\$ 226,981	\$ 71,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,244,164	-\$439,969	\$804,195		
2013	\$ 183,435	\$ 12,144	\$ 179,586	\$ -	\$ 1,372	\$ 348,595	\$ 205,954	\$ -	\$ -	\$ 281,030	\$ 22,992	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,235,107	-\$647,330	\$587,777		
2014	\$ 6,526	\$ 12,144	\$ 256,880	\$ -	\$ -	\$ 542,098	\$ 198,479	\$ -	\$ -	\$ 94,130	\$ 25,567	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,135,825	-\$855,652	\$280,172		
2015	\$ 222,480	\$ 12,144	\$ 97,884	\$ -	\$ -	\$ 961,352	\$ 176,700	\$ -	\$ -	\$ 125,738	\$ 29,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,626,185	-\$1,043,182	\$583,003		
2016	\$ (46,257)	\$ 12,144	\$ 5,193	\$ -	\$ -	\$ 1,322,447	\$ 244,702	\$ -	\$ -	\$ 146,052	\$ 23,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,707,757	-\$1,313,708	\$394,049		
2017	\$ 27,737	\$ 12,144	\$ 1,849	\$ -	\$ -	\$ 543,493	\$ 239,979	\$ -	\$ -	\$ 72,000	\$ 400	\$ -	\$ -	\$ -	\$ -	\$ -	\$897,602	-\$1,586,239	-\$688,637		
2018	\$ 80,964	\$ 11,132	\$ 4,375	\$ -	\$ -	\$ 776,648	\$ 206,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,080,069	-\$1,637,094	-\$557,024		
2019	\$ 46,258	\$ 12,144	\$ 6,412	\$ -	\$ -	\$ 610,991	\$ 174,650	\$ -	\$ -	\$ -	\$ -	\$ (2,697)	\$ 93,708	\$ 93,547	\$ 2,835	\$1,037,848	-\$1,552,552	-\$514,704			
2020	\$ 534	\$ 1,012	\$ -	\$ -	\$ -	\$ 22,553	\$ 4,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$28,199	-\$120,667	-\$92,469		