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BACK		Realistic Achievable Potential BACK Realistic Achievable Potential Cumulative Energy Savings Potential (MWh) Cumulative Energy Savings Potential (MWh) Cumulative Energy Savings Potential (MWh)									
(CP&L MO	Energy Efficiency	Cumulative Energy Demand Response	gy Savings Potentia CHP	Total	% of Baseline	KCP&L MO	Energy Efficiency	Cumulative Energ	y Savings Potentia CHP	Total	% of Baselin
2014	60.448	Demailu Response	0	60.448	0.7%	2014	60.448		UHP	60,448	0.7%
2014	142.326	0	2.880	145.207	1.6%	2014	142,326	0		142.326	1.6%
2016	243,564	0	5,761	249.324	2.8%	2016	243.564	ů		243.564	2.7%
2017	361.950	0	14.402	376.352	4.2%	2017	361,950	0		361.950	4.0%
2018	493,627	0	25,924	519,551	5.7%	2018	493,627	0		493,627	5.4%
2019	632,391	0	40,326	672,717	7.4%	2019	632,391	0		632,391	6.9%
2020	771,622	0	57,814	829,436	9.0%	2020	771,622	0		771,622	8.4%
2021	903,953	0	77,977	981,930	10.5%	2021	903,953	0		903,953	9.7%
2022	1,024,713	0	99,580	1,124,293	12.0%	2022	1,024,713	0		1,024,713	10.9%
2023	1,132,386	0	121,389	1,253,775	13.2%	2023	1,132,386	0		1,132,386	11.9%
2024	1,229,458	0	141,551	1,371,010	14.3%	2024	1,229,458	0		1,229,458	12.8%
2025	1,316,357	0	158,628	1,474,985	15.2%	2025	1,316,357	0		1,316,357	13.6%
2026	1,397,328	0	172,413	1,569,741	16.0%	2026	1,397,328	0		1,397,328	14.3%
2027	1,473,661	0	182,906	1,656,567	16.7%	2027	1,473,661	0		1,473,661	14.9%
2028	1,545,620	0	190,313	1,735,932	17.3%	2028	1,545,620	0		1,545,620	15.4%
2029	1,613,966	0	195,456	1,809,422	17.8%	2029	1,613,966	0		1,613,966	15.9%
2030	1,677,600	0	198,748	1,876,348	18.3%	2030	1,677,600	0		1,677,600	16.3%
2031	1,739,195	0	200,806	1,940,001	18.7%	2031	1,739,195	0		1,739,195	16.7%
2032	1,799,322	0	202,040	2,001,362	19.0%	2032	1,799,322	0		1,799,322	17.1%
2033	1.858.858	0	202.863	2.061.721	19.3%	2033	1.858.858	0		1.858.858	17.4%

Step 2: Adjust For Naturally Occurring Energy Efficiency

KCP&L MO	Energy Efficiency	20% Deduction	CHP	Total	% of Baseline
2014	60,448	48,359		48,359	0.5%
2015	142,326	113,861		113,861	1.3%
2016	243,564	194,851		194,851	2.2%
2017	361,950	289,560		289,560	3.2%
2018	493,627	394,901		394,901	4.4%
2019	632,391	505,913		505,913	5.5%
2020	771,622	617,297		617,297	6.7%
2021	903,953	723,162		723,162	7.8%
2022	1,024,713	819,770		819,770	8.7%
2023	1,132,386	905,909		905,909	9.5%
2024	1,229,458	983,566		983,566	10.3%
2025	1,316,357	1,053,086		1,053,086	10.9%
2026	1,397,328	1,117,863		1,117,863	11.4%
2027	1,473,661	1,178,929		1,178,929	11.9%
2028	1,545,620	1,236,496		1,236,496	12.3%
2029	1,613,966	1,291,173		1,291,173	12.7%
2030	1,677,600	1,342,080		1,342,080	13.1%
2031	1,739,195	1,391,356		1,391,356	13.4%
2032	1,799,322	1,439,457		1,439,457	13.7%
2033	1,858,858	1,487,086		1,487,086	13.9%

Removal Of Opt Out Customers

From KCPL DSM Potential Study

Opt Out Customers – The potential results of this study does not exclude opt-out customers. At the time of this report development, the list of opt-out customers was very much in flux due to changes in customer decision-making regarding opt-out. As such, we collectively agreed with the Companies that we would not reduce the potential results of this study to exclude opt-out customers. However, we note that the latest data available indicated that, for GMO, approximately 19% (on an energy consumption basis) of GMO's large C&I customers were likely to opt out⁴. Data were not available for KCP&L MO and KCP&L KS.

Assume 10% Of KCPL-MO C&I Customers Opt Out of DSM Programs. Approximately 70% of KCPL MO's portfolio is C&I. 10% x 70% = 7% portfolio reduction to account for Opt Out.

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Ste	ep 3:	Adjust	For (Opt-	Out
BACK		Realistic	Achievable Potential		
		Cumulative Ener	gy Savings Potential (MWh)	
KCP&L MO	Energy Efficiency	20% Deduction	Opt -Out Out	, Total	% of Baseline
2014	60,448	48,359	44,974	44,974	0.5%
2015	142,326	113,861	105,891	105,891	1.2%
2016	243,564	194,851	181,211	181,211	2.0%
2017	361,950	289,560	269,291	269,291	3.0%
2018	493,627	394,901	367,258	367,258	4.0%
2019	632,391	505,913	470,499	470,499	5.1%
2020	771,622	617,297	574,087	574,087	6.2%
2021	903,953	723,162	672,541	672,541	7.2%
2022	1,024,713	819,770	762,387	762,387	8.1%
2023	1,132,386	905,909	842,495	842,495	8.9%
2024	1,229,458	983,566	914,717	914,717	9.5%
2025	1,316,357	1,053,086	979,370	979,370	10.1%
2026	1,397,328	1,117,863	1,039,612	1,039,612	10.6%
2027	1,473,661	1,178,929	1,096,404	1,096,404	11.1%
2028	1,545,620	1,236,496	1,149,941	1,149,941	11.5%
2029	1,613,966	1,291,173	1,200,791	1,200,791	11.8%
2030	1,677,600	1,342,080	1,248,135	1,248,135	12.1%
2031	1,739,195	1,391,356	1,293,961	1,293,961	12.4%
2032	1,799,322	1,439,457	1,338,695	1,338,695	12.7%
2033	1,858,858	1,487,086	1,382,990	1,382,990	13.0%



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BACK	Realistic Achievable Potential										
	Cumulative Energy Savings Potential (MWh)										
KCP&L MO	Energy Efficiency	20% Deduction	Opt -Out Out	No Natural Gas	Total	% of Baseline					
2014	60,448	48,359	44,974	33,730	33,730	0.4%					
2015	142,326	113,861	105,891	79,418	79,418	0.9%					
2016	243,564	194,851	181,211	135,908	135,908	1.5%					
2017	361,950	289,560	269,291	201,968	201,968	2.2%					
2018	493,627	394,901	367,258	275,444	275,444	3.0%					
2019	632,391	505,913	470,499	352,874	352,874	3.9%					
2020	771,622	617,297	574,087	430,565	430,565	4.7%					
2021	903,953	723,162	672,541	504,406	504,406	5.4%					
2022	1,024,713	819,770	762,387	571,790	571,790	6.1%					
2023	1,132,386	905,909	842,495	631,872	631,872	6.7%					
2024	1,229,458	983,566	914,717	686,038	686,038	7.2%					
2025	1,316,357	1,053,086	979,370	734,527	734,527	7.6%					
2026	1,397,328	1,117,863	1,039,612	779,709	779,709	8.0%					
2027	1,473,661	1,178,929	1,096,404	822,303	822,303	8.3%					
2028	1,545,620	1,236,496	1,149,941	862,456	862,456	8.6%					
2029	1,613,966	1,291,173	1,200,791	900,593	900, 593	8.9%					
2030	1,677,600	1,342,080	1,248,135	936,101	936,101	9.1%					
2031	1,739,195	1,391,356	1,293,961	970,471	970,471	9.3%					
2032	1,799,322	1,439,457	1,338,695	1,004,021	1,004,021	9.5%					
2033	1,858,858	1,487,086	1,382,990	1,037,243	1,037,243	9.7%					



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BACK			Realistic	Achievable Potentia	1						
	Cumulative Energy Savings Potential (MWh)										
KCP&L MO	Energy Efficiency	20% Deduction	Opt -Out Out	No Natural Gas	Adjust For EM&V	Total	% of Baseline				
2014	60,448	48,359	44,974	33,730	30,357	30,357	0.3%				
2015	142,326	113,861	105,891	79,418	71,476	71,476	0.8%				
2016	243,564	194,851	181,211	135,908	122,318	122,318	1.4%				
2017	361,950	289,560	269,291	201,968	181,771	181,771	2.0%				
2018	493,627	394,901	367,258	275,444	247,899	247,899	2.7%				
2019	632,391	505,913	470,499	352,874	317,587	317,587	3.5%				
2020	771,622	617,297	574,087	430,565	387,508	387,508	4.2%				
2021	903,953	723,162	672,541	504,406	453,965	453,965	4.9%				
2022	1,024,713	819,770	762,387	571,790	514,611	514,611	5.5%				
2023	1,132,386	905,909	842,495	631,872	568,684	568,684	6.0%				
2024	1,229,458	983,566	914,717	686,038	617,434	617,434	6.4%				
2025	1,316,357	1,053,086	979,370	734,527	661,075	661,075	6.8%				
2026	1,397,328	1,117,863	1,039,612	779,709	701,738	701,738	7.2%				
2027	1,473,661	1,178,929	1,096,404	822,303	740,073	740,073	7.5%				
2028	1,545,620	1,236,496	1,149,941	862,456	776,210	776,210	7.7%				
2029	1,613,966	1,291,173	1,200,791	900,593	810,534	810,534	8.0%				
2030	1,677,600	1,342,080	1,248,135	936,101	842,491	842,491	8.2%				
2031	1,739,195	1,391,356	1,293,961	970,471	873,424	873,424	8.4%				
2032	1,799,322	1,439,457	1,338,695	1,004,021	903,619	903,619	8.6%				
2033	1,858,858	1,487,086	1,382,990	1,037,243	933,518	933,518	8.8%				



BACK				Realistic Achievable	Potential			
			Cumu	lative Energy Savings	Potential (MWh)			
KCP&L MO	Energy Efficiency	20% Deduction	Opt -Out Out	No Natural Gas	Adjust For EM&V	Adj. For Prog. Pot.	Total	% of Baseline
2014	60,448	48,359	44,974	33,730	30,357	24,286	24,286	0.3%
2015	142,326	113,861	105,891	79,418	71,476	57,181	57,181	0.6%
2016	243,564	194,851	181,211	135,908	122,318	97,854	97,854	1.1%
2017	361,950	289,560	269,291	201,968	181,771	145,417	145,417	1.6%
2018	493,627	394,901	367,258	275,444	247,899	198,320	198,320	2.2%
2019	632,391	505,913	470,499	352,874	317,587	254,069	254,069	2.8%
2020	771,622	617,297	574,087	430,565	387,508	310,007	310,007	3.4%
2021	903,953	723,162	672,541	504,406	453,965	363,172	363,172	3.9%
2022	1,024,713	819,770	762,387	571,790	514,611	411,689	411,689	4.4%
2023	1,132,386	905,909	842,495	631,872	568,684	454,948	454,948	4.8%
2024	1,229,458	983,566	914,717	686,038	617,434	493,947	493,947	5.2%
2025	1,316,357	1,053,086	979,370	734,527	661,075	528,860	528,860	5.5%
2026	1,397,328	1,117,863	1,039,612	779,709	701,738	561,391	561,391	5.7%
2027	1,473,661	1,178,929	1,096,404	822,303	740,073	592,058	592,058	6.0%
2028	1,545,620	1,236,496	1,149,941	862,456	776,210	620,968	620,968	6.2%
2029	1,613,966	1,291,173	1,200,791	900,593	810,534	648,427	648,427	6.4%
2030	1,677,600	1,342,080	1,248,135	936,101	842,491	673,993	673,993	6.6%
2031	1,739,195	1,391,356	1,293,961	970,471	873,424	698,739	698,739	6.7%
2032	1,799,322	1,439,457	1,338,695	1,004,021	903,619	722,895	722,895	6.9%
LUJL		1.487.086	1.382.990	1,037,243	933.518	746.815	746.815	7.0%





BACK	Realistic Achievable Potential										
KCP&L MO	Energy Efficiency	20% Deduction	Cumu Opt -Out Out	lative Energy Savings No Natural Gas	Potential (MWh) Adjust For EM&V	Adj. For Prog. Pot.	Total	% of Baseline			
2014	60,448	48.359	44,974	33.730	30.357	24,286	24.286	0.3%			
2014	142.326	113.861	105.891	79.418	71.476	57.181	57.181	0.6%			
2015	243,564	194.851	181.211	135.908	122.318	97.854	97.854	1.1%			
2010	361,950	289,560	269,291	201,968	181,771	145.417	145,417	1.6%			
2018	493.627	394,901	367.258	275,444	247.899	198.320	198,320	2.2%			
2019	632,391	505.913	470,499	352,874	317,587	254,069	254,069	2.8%			
2020	771.622	617.297	574.087	430,565	387,508	310.007	310.007	3.4%			
2021	903,953	723.162	672,541	504,406	453,965	363.172	363,172	3.9%			
2022	1,024,713	819,770	762,387	571,790	514,611	411,689	411,689	4.4%			
2023	1,132,386	905,909	842,495	631,872	568,684	454,948	454,948	4.8%			
2024	1,229,458	983,566	914,717	686,038	617,434	493,947	493,947	5.2%			
2025	1,316,357	1,053,086	979,370	734,527	661,075	528,860	528,860	5.5%			
2026	1,397,328	1,117,863	1,039,612	779,709	701,738	561,391	561,391	5.7%			
2027	1,473,661	1,178,929	1,096,404	822,303	740,073	592,058	592,058	6.0%			
2028	1,545,620	1,236,496	1,149,941	862,456	776,210	620,968	620,968	6.2%			
2029	1,613,966	1,291,173	1,200,791	900,593	810,534	648,427	648,427	6.4%			
2030	1,677,600	1,342,080	1,248,135	936,101	842,491	673,993	673,993	6.6%			
2031	1,739,195	1,391,356	1,293,961	970,471	873,424	698,739	698,739	6.7%			
2032	1,799,322	1,439,457	1,338,695	1,004,021	903,619	722,895	722,895	6.9%			
2033	1,858,858	1,487,086	1,382,990	1,037,243	933,518	746,815	746,815	7.0%			