

## Total Change in Charge Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	nan%	nan%	nan%	nan%	nan%
2_Hr_BEES	-2.06%	0.0%	13.95%	6.54%	-13.26%
2_Hr_BEES_Fuelx2	-40.0%	0.0%	-12.5%	-14.23%	-13.47%
4_Hr_BEES	-28.03%	0.0%	5.05%	-2.23%	-11.79%
4_Hr_BEES_Fuelx2	-34.18%	0.0%	-0.8%	-7.2%	0.56%
4_Hr_BEES_Fuelx3	-29.86%	0.0%	0.34%	0.9%	8.67%
4_Hr_BEES_Fuelx4	-30.52%	0.0%	15.56%	16.5%	24.03%
6_Hr_BEES	-26.83%	0.0%	3.62%	-9.58%	-16.48%
6_Hr_BEES_Fuelx2	-28.97%	0.0%	1.2%	-3.46%	2.59%
8_Hr_BEES	-25.72%	0.0%	-11.82%	-23.93%	-26.69%
8_Hr_BEES_Fuelx2	-26.03%	0.0%	7.19%	0.47%	8.39%
10_Hr_BEES	-17.27%	0.0%	-4.48%	-15.9%	-15.36%
10_Hr_BEES_Fuelx2	-22.67%	0.0%	12.69%	5.92%	16.09%

## Total Change in Fixed OM Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	0.0%	0.0%	0.0%	0.0%	0.0%
2_Hr_BEES	0.0%	0.0%	0.0%	0.0%	0.0%
2_Hr_BEES_Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
4_Hr_BEES	0.0%	0.0%	0.0%	0.0%	0.0%
4_Hr_BEES_Fuelx2	-0.0%	0.0%	0.0%	0.0%	0.0%
4_Hr_BEES_Fuelx3	0.0%	0.0%	0.0%	0.0%	0.0%
4_Hr_BEES_Fuelx4	0.0%	0.0%	0.0%	0.0%	0.0%
6_Hr_BEES	0.0%	0.0%	0.0%	0.0%	0.0%
6_Hr_BEES_Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
8_Hr_BEES	0.0%	0.0%	0.0%	0.0%	0.0%
8_Hr_BEES_Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
10_Hr_BEES	0.0%	0.0%	0.0%	0.0%	0.0%
10_Hr_BEES_Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%

## Total Change in Fuel Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-0.17%	0.0%	0.02%	0.09%	1.81%
2_Hr_BEES	-0.13%	0.0%	0.01%	0.28%	0.63%
2_Hr_BEES_Fuelx2	-1.53%	0.0%	0.16%	0.84%	0.89%
4_Hr_BEES	-0.79%	0.0%	0.04%	0.1%	0.45%
4_Hr_BEES_Fuelx2	-1.54%	0.0%	0.43%	1.23%	1.32%
4_Hr_BEES_Fuelx3	-2.02%	0.0%	0.91%	2.68%	2.18%
4_Hr_BEES_Fuelx4	-2.17%	0.0%	2.03%	4.95%	4.16%
6_Hr_BEES	-0.81%	0.0%	0.05%	0.04%	0.51%
6_Hr_BEES_Fuelx2	-1.48%	0.0%	0.54%	1.39%	1.47%
8_Hr_BEES	-0.53%	0.0%	0.06%	0.04%	0.58%
8_Hr_BEES_Fuelx2	-1.31%	0.0%	0.95%	1.75%	1.95%
10_Hr_BEES	-0.49%	0.0%	0.13%	0.13%	0.7%
10_Hr_BEES_Fuelx2	-1.06%	0.0%	1.3%	2.16%	2.52%

## Total Change in Investment Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal Base	0.0%	0.0%	0.0%	0.0%	0.0%
2 Hr BESS	-0.0%	0.0%	0.0%	0.0%	0.0%
2 Hr BESS Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
4 Hr BESS	0.0%	0.0%	0.0%	0.0%	0.0%
4 Hr BESS Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
4 Hr BESS Fuelx3	0.0%	0.0%	0.0%	0.0%	0.0%
4 Hr BESS Fuelx4	-0.0%	0.0%	0.0%	0.0%	0.0%
6 Hr BESS	0.0%	0.0%	0.0%	0.0%	0.0%
6 Hr BESS Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
8 Hr BESS	0.0%	0.0%	0.0%	0.0%	0.0%
8 Hr BESS Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%
10 Hr BESS	0.0%	0.0%	0.0%	0.0%	0.0%
10 Hr BESS Fuelx2	0.0%	0.0%	0.0%	0.0%	0.0%

## Total Change in Investment and Operating Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-1.18%	0.0%	0.01%	0.09%	0.35%
2_Hr_BEES	-0.5%	0.0%	0.18%	0.31%	0.22%
2_Hr_BEES_Fuelx2	-1.7%	0.0%	-0.34%	-0.08%	-0.05%
4_Hr_BEES	-0.89%	0.0%	0.12%	0.1%	0.03%
4_Hr_BEES_Fuelx2	-1.5%	0.0%	0.08%	0.16%	0.36%
4_Hr_BEES_Fuelx3	-1.64%	0.0%	0.19%	0.7%	0.84%
4_Hr_BEES_Fuelx4	-1.88%	0.0%	1.01%	1.77%	1.85%
6_Hr_BEES	-0.93%	0.0%	0.1%	-0.08%	-0.15%
6_Hr_BEES_Fuelx2	-1.33%	0.0%	0.16%	0.32%	0.46%
8_Hr_BEES	-0.98%	0.0%	-0.21%	-0.38%	-0.42%
8_Hr_BEES_Fuelx2	-1.22%	0.0%	0.41%	0.5%	0.68%
10_Hr_BEES	-0.76%	0.0%	-0.02%	-0.15%	-0.14%
10_Hr_BEES_Fuelx2	-1.11%	0.0%	0.6%	0.71%	0.9%

## Total Change in Start Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-48.53%	0.0%	-0.03%	2.07%	-18.23%
2_Hr_BEES	-48.01%	0.0%	0.32%	16.54%	24.93%
2_Hr_BEES_Fuelx2	-33.94%	0.0%	1.96%	36.8%	36.27%
4_Hr_BEES	-24.7%	0.0%	1.2%	20.38%	27.3%
4_Hr_BEES_Fuelx2	-27.75%	0.0%	4.83%	37.96%	23.1%
4_Hr_BEES_Fuelx3	-35.89%	0.0%	4.96%	49.72%	32.31%
4_Hr_BEES_Fuelx4	-49.02%	0.0%	3.69%	49.59%	28.59%
6_Hr_BEES	-25.53%	0.0%	1.68%	18.13%	12.42%
6_Hr_BEES_Fuelx2	-30.37%	0.0%	4.9%	37.11%	23.52%
8_Hr_BEES	-37.9%	0.0%	3.11%	13.82%	0.58%
8_Hr_BEES_Fuelx2	-38.71%	0.0%	5.15%	31.75%	13.84%
10_Hr_BEES	-38.57%	0.0%	3.72%	15.1%	-1.5%
10_Hr_BEES_Fuelx2	-47.85%	0.0%	4.08%	23.65%	2.99%

## Total Change in Variable OM In Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	nan%	nan%	nan%	nan%	nan%
2_Hr_BEES	nan%	nan%	nan%	nan%	nan%
2_Hr_BEES_Fuelx2	nan%	nan%	nan%	nan%	nan%
4_Hr_BEES	nan%	nan%	nan%	nan%	nan%
4_Hr_BEES_Fuelx2	nan%	nan%	nan%	nan%	nan%
4_Hr_BEES_Fuelx3	nan%	nan%	nan%	nan%	nan%
4_Hr_BEES_Fuelx4	nan%	nan%	nan%	nan%	nan%
6_Hr_BEES	nan%	nan%	nan%	nan%	nan%
6_Hr_BEES_Fuelx2	nan%	nan%	nan%	nan%	nan%
8_Hr_BEES	nan%	nan%	nan%	nan%	nan%
8_Hr_BEES_Fuelx2	nan%	nan%	nan%	nan%	nan%
10_Hr_BEES	nan%	nan%	nan%	nan%	nan%
10_Hr_BEES_Fuelx2	nan%	nan%	nan%	nan%	nan%

## Total Change in Variable OM Out Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	0.14%	0.0%	0.05%	0.1%	1.57%
2_Hr_BESS	-0.1%	0.0%	0.01%	0.38%	0.65%
2_Hr_BESS_Fuelx2	-1.31%	0.0%	0.16%	0.91%	0.95%
4_Hr_BESS	-0.75%	0.0%	0.04%	0.15%	0.46%
4_Hr_BESS_Fuelx2	-1.32%	0.0%	0.54%	1.4%	1.4%
4_Hr_BESS_Fuelx3	-1.58%	0.0%	0.75%	2.22%	1.88%
4_Hr_BESS_Fuelx4	-1.62%	0.0%	1.5%	3.74%	3.28%
6_Hr_BESS	-0.77%	0.0%	0.05%	0.08%	0.51%
6_Hr_BESS_Fuelx2	-1.26%	0.0%	0.65%	1.6%	1.63%
8_Hr_BESS	-0.47%	0.0%	0.07%	0.08%	0.59%
8_Hr_BESS_Fuelx2	-1.11%	0.0%	1.12%	2.08%	2.17%
10_Hr_BESS	-0.41%	0.0%	0.18%	0.25%	0.72%
10_Hr_BESS_Fuelx2	-0.88%	0.0%	1.49%	2.44%	2.64%



## Total Change in System Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-1.18%	0.0%	0.01%	0.14%	0.35%
2_Hr_BEES	-0.48%	0.0%	0.01%	0.3%	0.56%
2_Hr_BEES_Fuelx2	-0.48%	0.0%	0.04%	0.79%	0.73%
4_Hr_BEES	-0.34%	0.0%	0.02%	0.54%	0.54%
4_Hr_BEES_Fuelx2	-0.42%	0.0%	0.1%	0.74%	0.62%
4_Hr_BEES_Fuelx3	-0.51%	0.0%	0.18%	0.91%	0.63%
4_Hr_BEES_Fuelx4	-0.64%	0.0%	0.38%	1.23%	0.95%
6_Hr_BEES	-0.37%	0.0%	0.02%	0.55%	0.54%
6_Hr_BEES_Fuelx2	-0.42%	0.0%	0.13%	0.75%	0.64%
8_Hr_BEES	-0.45%	0.0%	0.04%	0.54%	0.45%
8_Hr_BEES_Fuelx2	-0.45%	0.0%	0.21%	0.67%	0.52%
10_Hr_BEES	-0.44%	0.0%	0.06%	0.55%	0.5%
10_Hr_BEES_Fuelx2	-0.53%	0.0%	0.27%	0.7%	0.57%

## Total Change in Unmet Reserves Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	0.0%	0.0%	0.0%	16.9%	4.25%
2_Hr_BEES	0.0%	0.0%	0.0%	0.0%	-20.79%
2_Hr_BEES_Fuelx2	0.0%	0.0%	0.0%	-45.27%	-45.28%
4_Hr_BEES	0.0%	0.0%	0.0%	-18.36%	-18.42%
4_Hr_BEES_Fuelx2	0.0%	0.0%	0.0%	-46.65%	-46.54%
4_Hr_BEES_Fuelx3	-0.84%	0.0%	0.0%	-0.96%	-0.9%
4_Hr_BEES_Fuelx4	-2.2%	0.0%	0.0%	21.26%	69.98%
6_Hr_BEES	0.0%	0.0%	0.0%	-17.63%	-17.59%
6_Hr_BEES_Fuelx2	-0.14%	0.0%	0.0%	-47.78%	-47.68%
8_Hr_BEES	0.0%	0.0%	0.0%	-17.14%	-17.18%
8_Hr_BEES_Fuelx2	-0.19%	0.0%	0.0%	-0.16%	-0.07%
10_Hr_BEES	0.08%	0.0%	0.0%	-20.95%	-31.84%
10_Hr_BEES_Fuelx2	-0.14%	0.0%	0.0%	-0.1%	0.08%

## Total Change in NSE Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	0.0%	0.0%	0.0%	17.49%	0.0%
2_Hr_BESS	-0.02%	0.0%	0.0%	15.44%	33.68%
2_Hr_BESS_Fuelx2	-0.19%	0.0%	0.0%	170.96%	142.35%
4_Hr_BESS	-0.12%	0.0%	0.0%	131.6%	91.41%
4_Hr_BESS_Fuelx2	-100.0%	0.0%	0.0%	66263.85%	53330.99%
4_Hr_BESS_Fuelx3	-100.0%	0.0%	0.0%	32051.99%	16087.04%
4_Hr_BESS_Fuelx4	-0.96%	0.0%	0.0%	34.08%	25.64%
6_Hr_BESS	-2.62%	0.0%	0.0%	262.03%	211.01%
6_Hr_BESS_Fuelx2	-100.0%	0.0%	0.0%	65522.79%	52491.89%
8_Hr_BESS	-0.25%	0.0%	0.0%	522.48%	382.76%
8_Hr_BESS_Fuelx2	-0.22%	0.0%	0.0%	81.62%	39.06%
10_Hr_BESS	-3.54%	0.0%	0.0%	6100.28%	5222.82%
10_Hr_BESS_Fuelx2	-0.11%	0.0%	0.0%	30.87%	18.55%

## Total Change in Objective Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-1.17%	0.0%	0.01%	0.18%	0.36%
2_Hr_BESS	-0.48%	0.0%	0.01%	0.3%	0.55%
2_Hr_BESS_Fuelx2	-0.48%	0.0%	0.04%	0.78%	0.72%
4_Hr_BESS	-0.34%	0.0%	0.02%	0.53%	0.54%
4_Hr_BESS_Fuelx2	-0.42%	0.0%	0.1%	0.73%	0.61%
4_Hr_BESS_Fuelx3	-0.51%	0.0%	0.18%	0.91%	0.63%
4_Hr_BESS_Fuelx4	-0.64%	0.0%	0.38%	1.23%	0.96%
6_Hr_BESS	-0.37%	0.0%	0.02%	0.54%	0.54%
6_Hr_BESS_Fuelx2	-0.42%	0.0%	0.13%	0.74%	0.63%
8_Hr_BESS	-0.45%	0.0%	0.04%	0.53%	0.45%
8_Hr_BESS_Fuelx2	-0.45%	0.0%	0.21%	0.67%	0.52%
10_Hr_BESS	-0.44%	0.0%	0.06%	0.54%	0.48%
10_Hr_BESS_Fuelx2	-0.53%	0.0%	0.27%	0.7%	0.57%