

## Total Change in Charge Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	nan%	nan%	nan%	nan%	nan%
2_Hr_BEES	-2.16%	0.0%	13.93%	6.52%	-13.29%
2_Hr_BEES_Fuelx2	-40.0%	0.0%	-12.5%	-14.02%	-13.28%
4_Hr_BEES	-28.06%	0.0%	5.1%	-2.06%	-11.65%
4_Hr_BEES_Fuelx2	-34.48%	0.0%	3.66%	-7.37%	0.34%
4_Hr_BEES_Fuelx3	-30.15%	0.0%	0.45%	0.72%	8.43%
4_Hr_BEES_Fuelx4	-30.87%	0.0%	17.61%	16.39%	23.78%
6_Hr_BEES	-26.95%	0.0%	3.54%	-9.5%	-16.41%

## 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%

## 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	-0.14%	0.0%	0.01%	0.28%	0.63%
2_Hr_BEES_Fuelx2	-1.53%	0.0%	0.16%	0.89%	0.94%
4_Hr_BEES	-0.81%	0.0%	0.04%	0.1%	0.45%
4_Hr_BEES_Fuelx2	-1.61%	0.0%	0.43%	1.23%	1.33%
4_Hr_BEES_Fuelx3	-2.12%	0.0%	0.91%	2.72%	2.23%
4_Hr_BEES_Fuelx4	-2.34%	0.0%	2.03%	4.97%	4.19%
6_Hr_BEES	-0.83%	0.0%	0.05%	0.04%	0.51%

# 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%

## 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%	0.3%	0.22%
2_Hr_BEES_Fuelx2	-1.7%	0.0%	-0.35%	-0.07%	-0.04%
4_Hr_BEES	-0.89%	0.0%	0.12%	0.1%	0.03%
4_Hr_BEES_Fuelx2	-1.53%	0.0%	0.22%	0.15%	0.36%
4_Hr_BEES_Fuelx3	-1.67%	0.0%	0.19%	0.7%	0.84%
4_Hr_BEES_Fuelx4	-1.92%	0.0%	1.1%	1.77%	1.86%
6_Hr_BEES	-0.94%	0.0%	0.1%	-0.08%	-0.15%

## Total Change in Start Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-48.5%	0.0%	-0.03%	2.07%	-18.21%
2_Hr_BEES	-47.97%	0.0%	0.32%	16.44%	24.85%
2_Hr_BEES_Fuelx2	-33.94%	0.0%	1.96%	36.29%	35.71%
4_Hr_BEES	-24.56%	0.0%	1.2%	20.23%	27.28%
4_Hr_BEES_Fuelx2	-27.44%	0.0%	4.85%	37.75%	22.71%
4_Hr_BEES_Fuelx3	-35.12%	0.0%	5.01%	50.42%	34.05%
4_Hr_BEES_Fuelx4	-47.86%	0.0%	3.77%	50.85%	30.55%
6_Hr_BEES	-25.37%	0.0%	1.68%	18.01%	12.38%

## 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%

## Total Change in Variable OM Out Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	0.13%	0.0%	0.05%	0.1%	1.57%
2_Hr_BEES	-0.11%	0.0%	0.01%	0.39%	0.66%
2_Hr_BEES_Fuelx2	-1.31%	0.0%	0.16%	0.98%	1.02%
4_Hr_BEES	-0.78%	0.0%	0.04%	0.15%	0.46%
4_Hr_BEES_Fuelx2	-1.39%	0.0%	0.55%	1.42%	1.44%
4_Hr_BEES_Fuelx3	-1.67%	0.0%	0.74%	2.31%	2.0%
4_Hr_BEES_Fuelx4	-1.76%	0.0%	1.5%	3.77%	3.38%
6_Hr_BEES	-0.81%	0.0%	0.05%	0.09%	0.51%



## 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%	0.8%	0.73%
4_Hr_BEES	-0.34%	0.0%	0.02%	0.54%	0.54%
4_Hr_BEES_Fuelx2	-0.43%	0.0%	0.1%	0.73%	0.62%
4_Hr_BEES_Fuelx3	-0.53%	0.0%	0.18%	0.91%	0.64%
4_Hr_BEES_Fuelx4	-0.66%	0.0%	0.38%	1.23%	0.98%
6_Hr_BEES	-0.37%	0.0%	0.02%	0.54%	0.54%

## 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_BESS	0.0%	0.0%	0.0%	0.0%	-20.79%
2_Hr_BESS_Fuelx2	0.0%	0.0%	0.0%	-45.27%	-45.28%
4_Hr_BESS	0.0%	0.0%	0.0%	-18.36%	-18.42%
4_Hr_BESS_Fuelx2	0.0%	0.0%	0.0%	-46.65%	-46.54%
4_Hr_BESS_Fuelx3	-0.84%	0.0%	0.0%	-0.96%	-0.9%
4_Hr_BESS_Fuelx4	-2.2%	0.0%	0.0%	21.26%	69.98%
6_Hr_BESS	0.0%	0.0%	0.0%	-17.63%	-17.59%

## 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_BEES	-0.02%	0.0%	0.0%	15.44%	33.67%
2_Hr_BEES_Fuelx2	-0.19%	0.0%	0.0%	170.96%	142.3%
4_Hr_BEES	-0.12%	0.0%	0.0%	131.6%	92.19%
4_Hr_BEES_Fuelx2	-100.0%	0.0%	0.0%	15975.28%	12844.99%
4_Hr_BEES_Fuelx3	-100.0%	0.0%	0.0%	4332.94%	2130.63%
4_Hr_BEES_Fuelx4	-1.91%	0.0%	0.0%	33.41%	28.8%
6_Hr_BEES	-2.62%	0.0%	0.0%	261.46%	211.04%

## Total Change in Objective Costs

Case Name	CEM	PF	DLAC-p	DLAC-i	SLAC
Thermal_Base	-1.17%	0.0%	0.01%	0.17%	0.36%
2_Hr_BEES	-0.48%	0.0%	0.01%	0.3%	0.55%
2_Hr_BEES_Fuelx2	-0.48%	0.0%	0.04%	0.79%	0.73%
4_Hr_BEES	-0.34%	0.0%	0.02%	0.53%	0.54%
4_Hr_BEES_Fuelx2	-0.43%	0.0%	0.1%	0.73%	0.61%
4_Hr_BEES_Fuelx3	-0.53%	0.0%	0.18%	0.91%	0.64%
4_Hr_BEES_Fuelx4	-0.66%	0.0%	0.38%	1.23%	0.99%
6_Hr_BEES	-0.37%	0.0%	0.02%	0.54%	0.54%