

**% Profits over Fixed Costs for Thermal\_Base**

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F)	9808290603592032e-1	3.8890965473593524	11.808142529517115	22.950153132952984	-32.43895750072417
NG Combustion Turbine (F)	491870556594662e-1	3.5476853204709338	2.0111659360591543	26.779041559396116	-0.7409236001005794
nd-Based Wind - Class 1 - Te2	136036502809576e-1	1.6884695618006824	-5.190146970071854	1.8176735562294761	-29.2043572567816
Utility PV - Class 11.	3550004385420843e-	0.0487394000717098	3.3994138022337057	2.5277795132003194	-9.961166910577896

## % Profits over Fixed Costs for 2\_Hr\_BESS

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (6.521138018314951e-1	1.483782974625613	-4.586540986115559	-13.25188384083158	17.748828722230783	
NG Combustion Turbine (F-F	100331753381848e-1	0.42055026420437425	2.4207594308685665	17.962671287461585	-18.88851016326108
nd-Based Wind - Class 1 - T	9790596700621033e-	-1.598977377769442	-1.694381396865803	1.8608904799530177	10.869243094911763
Utility PV - Class 1-2	4418699477208886e-	2.090002482100364	1.1649768979018642	-5.613128415609343	-5.255927248027892
Utility-Scale Battery Storage	1.484615591071832e-	22.316312755629355	14.346343457916582	3.8934603483727126	3.7364644861532876

**% Profits over Fixed Costs for 2\_Hr\_BESS\_Fuelx2**

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F)	3840981235321327e-3	6.230701509038674	21.725120498274435	21.915217366072582	19.408913281979554
NG Combustion Turbine (F)	4166855915671483e-4	1.652984804068126	24.759949875473882	27.294542768060765	-24.67058246976025
On-Base Wind - Class 1 - Tex	1158194340339106e-3	8.908990433772185	-4.816092671589864	-3.64020489315899	-4.291906647387039
Utility PV - Class 1 - Tex	1.51199363043096e-1	7.330780695146514	0.8758378808840586	2.101989186840369	0.05149567793599026
Utility-Scale Battery Storage	7355130132770732e-7	21.95092128079021	-6.825995408651699	15.570334756603883	10.846823333353646

**% Profits over Fixed Costs for 4\_Hr\_BESS**

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (B)	8.950578696682418e-1	8.583443048984446	4.202465316356295	-6.741768597927955	-8.543528474084223
NG Combustion Turbine (F4)	800273227223254e-1	9.442250423596434	6.8255561649393055	-9.449584933856178	11.429490429523035
On-Base Wind - Class 1 - Te2	599930415214367e-1	0.09903135111667474	-0.508478585611576	3.1908524464363373	-8.101604911012867
Utility PV - Class 1 2	036421831200064e-1	3.59239696020694	0.441282075504469	-1.108210662754176	1.2689466504806
Utility-Scale Battery Storage	5.459144055273899e-1	13.88960917644435	-0.6747372202530342	13.119592944073824	1.7621238097903933

## % Profits over Fixed Costs for 4\_Hr\_BESS\_Fuelx2

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F-5366688165674972e-1)	38.076276075838166	6.4923005573098145	21.379980302270283	17.429606913973192	
NG Combustion Turbine (F-5825130792724304e-1)	44.17592229514931	-7.8007543211548	28.331393479307433	23.664988567543404	
Onshore Wind - Class 1 - Te7.949717871192064e-1	10.02046011019096	0.8189647989541889	0.8361631780414787	0.8041299411127852	
Utility PV - Class 1-3.5635815153828856e-1	5.386698130285422	0.6063116867048929	3.4920916340565427	2.105320923132133	
Utility-Scale Battery Storage6.792230554009626e-1	30.441399365834027	-8.121266425723297	11.378068128092789	-9.635594875008513	

**% Profits over Fixed Costs for 4\_Hr\_BESS\_Fuelx3**

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (6.703814706384807e-08)	7.03814706384807e-08	0.8791225444453901	-7.950326810705343	26.582475755214794	-34.60422491129652
NG Combustion Turbine (FIF)	585292486993364e-08	3.724348199860208	-6.270999600788474	-31.18980144739907	42.504937309995526
On-Base Wind - Class 1 - Tech	386363128226032e-08	2.1633331944667873	0.0669326090442383	4.965712292851693	-0.5841433772117637
Utility PV - Class 1-1	9221157682587877e-09	0.00176282752007938	-3.488565326903994	0.6335855015836752	1.6778824682415803
Utility-Scale Battery Storage	0040251223711206e-08	6.1639327926454275	1.0249762768755368	2.2266921257356476	15.224963030536326

**% Profits over Fixed Costs for 4\_Hr\_BESS\_Fuelx4**

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F-F)	5893904638654137e-1	3.3129590637249433	-9.535550473933313	-15.85190862601064	22.378640798402692
NG Combustion Turbine (F-F)	700785495750266e-1	6.720532620554252	-6.75101663090007	16.891699900570632	29.255649728632292
On-Base Wind - Class 1 - Tech	1618888601673194e-1	3.3258319643174468	8.853292911223832	22.292563568184892	14.824033749267809
Utility PV - Class 1 9	993409020876263e-1	0.1259774814178842	4.799543989338821	9.695807048278134	6.960034429358397
Utility-Scale Battery Storage	169628488650071e-1	10.003559068279042	-7.311402175889875	13.91637733432345	-6.09870832421925

## % Profits over Fixed Costs for 6\_Hr\_BESS

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F1)	0.776546242627973e-1	19.150632890114956	6.199938672195062	10.513349325024826	-9.252531293073055
NG Combustion Turbine (F1)	4.820659098980052e-1	21.550045262529572	9.309746210576565	13.817816711061251	10.843475898954548
On-Base Wind - Class 1 - Te2	9.99302080133133e-1	2.267913757340144	1.3021846175692744	-3.735617274514009	10.061985151115934
Utility PV - Class 1 1	1.32799442462946e-1	6.036961882193401	2.5023984603515816	2.8947971842366105	2.296397740157171
Utility-Scale Battery Storage	7.353380069939228e-1	25.906487007413624	0.1541137781451383	-10.34248227567794	6.854114026825667



## % Profits over Fixed Costs for 6\_Hr\_BESS\_Fuelx2

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (E-F)	2.316558220981876e-1	3.114343222957463	10.007970045763813	-22.26900150661536	20.024267686906512
NG Combustion Turbine (E-F)	3.572625369163213e-1	4.380682378670887	11.787612431865364	-30.50310035714211	26.904890346996417
On-Base Wind - Class 1 - Tec	0.0	1.450054964180345	-2.601718156337220	0.14929766390501029	0.6575920149193535
Utility PV - Class 1-4	4.625498766446653e-1	1.266100495945922	0.8989359082248716	1.5730776836831297	0.5695344460484202
Utility-Scale Battery Storage	9.769650478371419e-1	8.388116752018163	-12.08230934990585	-9.067176880542556	1.7705807729764798

**% Profits over Fixed Costs for 8\_Hr\_BESS**

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (H)	1.978872409198143e-1	39.34342516655453	-6.927188811791013	-4.358704363112956	-7.501347394440443
NG Combustion Turbine (F)	1.953438506108199e-1	44.9668645054957	-5.681400700472924	-5.848809946868835	-6.749421284109941
On-Base Wind - Class 1 - Te2	1.087870075011866e-1	6.19861731352279	-4.092999400593682	2.2715397521635246	10.186457114053255
Utility PV - Class 1 7	1.151499333414558e-1	8.226728342684844	0.4479159667794226	4.6029178531398705	3.5994116510809984
Utility-Scale Battery Storage	1.482043800584836e-1	38.16665512978064	1.4848724327116016	5.69363503654383	22.473881421561902

## % Profits over Fixed Costs for 8\_Hr\_BESS\_Fuelx2

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F-F)	0.0657386323662365e-1	5.7039175073182	4.689157760814125	-37.07884201473213	32.514754948161496
NG Combustion Turbine (F-F)	5.01850673923115e-1	6.387955034866817	6.029907927976199	-48.64506186511632	-42.1461843192715
On-Base Wind - Class 1 - Te2	571849153475875e-1	2.2743186442703305	0.4948302218824969	3.7467340618451543	-5.534388756358629
Utility PV - Class 1-3	3.190952736448503e-0	0.32285983093624704	1.9861131818469873	2.4257130018104824	-1.710848573324211
Utility-Scale Battery Storage	4.224003699757263e-1	15.096508901848122	20.4635940333014344	20.757999008787003	10.881274362821786

## % Profits over Fixed Costs for 10\_Hr\_BEES

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle (F1)	1710783857293302e-1	19.811615393157787	-16.65762069400299	-8.364605477150672	12.119368877874411
NG Combustion Turbine (F1)	5433587569082284e-1	22.1871690982723	17.647302020530947	12.446946840946877	12.004696492499836
On-Base Wind - Class 1 - Te2	281054648274919e-1	2.3660118163963526	-5.704396202931116	2.7415548458883188	-10.40612749679794
Utility PV - Class 1-1	5367302076579903e-1	3.758080320603465	0.9426885135798948	4.075018279053601	1.7220137902992851
Utility-Scale Battery Storage	7.107262917167285e-1	27.57825781280397	10.307478899351578	1.6487027741255167	11.841716716920986

## % Profits over Fixed Costs for 10\_Hr\_BESS\_Fuelx2

Resource	CEM	PF	DLAC-p	DLAC-i	SLAC
NG 2-on-1 Combined Cycle FF	7605168108395064e-17	6.201462515922658	4.539996912909416	-30.24729727074143	-29.37324007146809
NG Combustion Turbine (FF)	7083609786678192e-17	7.371418080804013	6.931882303335107	-39.77020802553275	-36.02715271061124
On-Base Wind - Class 1 - Te2	428691764347618e-17	1.8160445336056703	0.03467812118865184	2.8574391443815905	6.6302043313006225
Utility PV - Class 1-2	4455994729539076e-17	0.3332128796568649	2.1502523142124703	3.614908603617745	2.6022946205470037
Utility-Scale Battery Storage	7.5990234460493e-14	19.490579101082417	2.1319147260056552	-13.38301070389035	-6.050893516890229