



The NRDC graphic above was adapted from one developed by EPA, using all of the same input and output assumptions. EPA calls this an “example of a typical CHP system”. As the analysis below shows, there is a reduction in *source* use of gas only if at least 50% of the reduction in grid electricity was produced by gas-fired power plants.

	Baseline			CHP System			Total Energy Savings	
	Source Fuel Use	Site Fuel Use	Site Energy Output	Source Fuel Use	Site Fuel Use	Site Energy Output	Source Fuel Use	Site Fuel Use
Electricity	91	30	30			30	91	30
Gas	56	56	45	100	100	45	-44	-44
Total	147	86	75	100	100	75	47	-14
Efficiency			51%			75%		

% of grid electric from gas	Gas Source Savings
0%	-44
30%	-17
50%	2
70%	20
100%	47

