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How CHP Systems Save Natural Gas and Reduce GHG Emissions

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Quality Urban Energy Systems of Tomorrow



Energy Saving -CHP vs. Separate Heat and Power (SHP)



CO2 Emissions Reduction: CHP vs. Separate Heat and Power (SHP)











Average Ontario CO2 Intensity per kWh Does not apply to CHP

Table A2: Total Ontario generation, and related CO2 emissions, midnight to 14:03 EST on Jul 21					
2015					CHP Impact
FUEL	MWh	CO2, tons	lb/kWh	gm/kWh	
Nuclear	164,220	0			No
Hydro	56,618	0			No
Gas	33,500	17,222	1.13	514	Yes
Wind	11,662	0			No
Biofuel	743	553			No
Oil & Gas	0	0			
Solar	518	0			No
TOTAL	267,261	17,775	0.15	67	
Average CO ₂ intensity per kWh (CIPK) over period: 64.86 grams					
source for intensity data http://canadianenergyissues.com/					

