



Calculation of Annual Fuel Cell NEM GHG Emission Standards

GHG standard = 2017 ACC average CO₂ short ton/MWh for each year * 2000 lbs/short ton * 0.4536 kg/lb * CO₂e/CO₂ conversion factor (1.000962)

CO₂e/CO₂ conversion factor = average of CO₂e/CO₂ annual conversion factors for years 2011 through 2015 = 1.000962

Annual CO₂e/CO₂ conversion factor = (Total CO₂e emissions from all in-State natural gas combined cycle power plants that report through the Mandatory GHG Reporting Regulation (MRR), using the Second IPCC Assessment Report global warming potential for CH₄) / (total CO₂ emissions from all in-State natural gas combined cycle power plants that report through MRR)

- = 1.000957 for 2011
- = 1.000961 for 2012
- = 1.000967 for 2013
- = 1.000965 for 2014
- = 1.000959 for 2015

The 2017 Avoided Cost Calculator (ACC) and supporting documentation are available via the links below.¹

- [2017 ACC](#) (Excel)
- [ACC User Manual](#)
- [2017 ACC Update](#)

The average CO₂ short ton per MWh for each year is located in the “Emissions” tab, row 59, above the table titled “Long-Run Marginal Emission Rate.”

¹ This document has been updated to include a functioning link to the 2017 ACC. (March 25, 2019)