

## Marin Clean Energy -- GHG emissions

	<u>2010</u> <sup>1</sup>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
MCE advertised emissions (lbs CO2e)	29,550,726	<a href="#">69,322,741</a>	<a href="#">212,864,133</a>	<a href="#">403,906,423</a>	<a href="#">406,651,211</a>	<a href="#">546,766,462</a>	<a href="#">592,442,037</a>
MCE MWh annual sales	91,219	185,493	570,144	1,110,487	1,254,794	1,695,274	2,125,091
MCE advertised GHG Emission Rate (lbs CO2e per MWh)	324	374	373	364	324	323	279

### Undisclosed Emissions:

MCE PCC 2 (megawatt-hour)							
Undisclosed GHGs (lbs): PCC 2 MWh at 943.58 lbs per MWh							
MCE PCC 3 (megawatt-hour)	3,500 <sup>2</sup>	24,500 <sup>3</sup>	<a href="#">203,029</a>	<a href="#">345,000</a>	<a href="#">382,500</a>	<a href="#">256,108</a>	<a href="#">68,059</a>
Undisclosed GHGs (lbs): PCC 3 MWh x 943.58 lbs per MWh	3,302,530	23,117,710	191,574,104	325,535,100	360,919,350	241,658,387	64,219,111
GHGs not disclosed by MCE (lbs)							

Actual total GHGs (lbs) = advertised GHGs + PCC 2 + PCC 3							
Actual GHG Emission Rate (lbs CO2e per MWh)							

<sup>1</sup> MCE launched into business on May 7, 2010.

<sup>2</sup> Detail in 2010, MCE's first year of operations, was less than complete. The 3,500 RECs (also shown as 3,000) were identified in various emails from MCE's staff leader, Dawn Weisz. These RECs were sourced from the South San Joaquin Irrigation District (Robert O. Schulz Solar Farm).

<sup>3</sup> MCE's Power Source Disclosure (Schedule 1), filed with the California Energy Commission (CEC), is inconsistent with what MCE claims in its Technical Committee (5/13/2013). For instance, after submittals to the CEC, MCE retroactively purchased & retired 10,500 "RECs" from a large hydro project in Montana (large hydro does not issue "renewable" energy certificates -- these instruments do not qualify under California law). Nevertheless, the 10,500 instruments were added to MCE's 14,000 MWh for this claimed category.