




SUNFLOWER ELECTRIC POWER CORPORATION

A Touchstone Energy® Cooperative 

NEW SOURCE PERFORMANCE STANDARDS FOR GREENHOUSE GASES (NSPS GHG)

- **DATE:** This newly proposed rule was signed by the EPA Administrator on March 27, 2012. The rule was published in the *Federal Register* on April 13, 2012, which is the date the rule becomes effective.

- **Impact of the proposed rule**
 - This rule imposes new GHG emission limitations only on new fossil-fueled steam electric and natural gas combined-cycle electric generating units (EGUs) under Section 111 of the Clean Air Act. The CO₂ emission limitation placed on new EGUs corresponds to that which might occur on a new natural gas combined-cycle plant. This is referenced as a fuel-neutral efficiency standard by EPA.
 - The rule, which applies to new EGUs with a generating capacity greater than 25 megawatts, limits new fossil fuel-fired power plants to 1,000 pounds of carbon dioxide per megawatt-hour.
 - The rule does not apply to new units smaller than 25-MW, to new simple-cycle combustion turbines, nor does it apply to new reciprocating-engine plants.
 - The rule does not now apply to existing units of any type, including Holcomb 1.
 - The proposed rule also establishes a “transitional unit” sub-category to which the emission limitation does not apply. In order to earn the “transitional unit” status, a PSD construction permit must be in hand and construction on the unit must commence within 12 months of the date the proposed rule is published in the *Federal Register*. EPA has identified about 20 potential transitional units, including Holcomb 2.

- **Sunflower Action**
 - Spring 2012 – Sunflower will submit comments during the 60-day comment period, which will begin after the rule is published in the *Federal Register*.

Sunflower Electric Power Corporation	2011 CO2 Intensity (lb CO2/Mwh_{gross})
Holcomb Station	2,023.12
Garden City Station	1,340.92
S2	1,247.87
S4	2,935.04
S5	3,145.23
Clifton Station	2,465.50
Cimmaron River Station	1,486.97
Fort Dodge Station	1,315.36
Great Bend Station	1,267.63
Wind	-
WAPA Hydropower	-
Total CO2 All Generation	1,685.90