



TESTIMONY

TO: Chairman Carl Holmes
And Members of the House Energy and Utilities Committee

FROM: Whitney Damron
On behalf of The Empire District Electric Company

RE: CO2 Emission Regulation by EPA

DATE: April 27, 2012

I requested information from Empire in regard to the Chairman's request for information on the impact of the EPA's emission regulation.

Here is their response:

Q. What are the CO2 emissions from Empire's existing fossil fuel generators?

Coal: Ranges from 1,850 – 2,500 lb/MWh
Simple cycle natural gas in the 1,400 – 1,500 range
Combined cycle is about 900 lb/MWh

Q. Percentage of existing fossil fuel generators impacted.

0 percent.

Q. Impact on new generation?

No new coal plants would be constructed if this rule goes into effect. Even the most efficient, new plants like Iatan 2 would not make the standard unless carbon capture and sequestration (CSS) was available, which it is not. The type of generation that would be able to meet the new standard and still be economical is natural gas fired, combined cycle (like Empire's State Line Combined Cycle facility). New simple cycle gas turbines do not fall under this rule and would be viable options as would renewables.

On behalf of Empire District, we appreciate the opportunity to provide this information to the Committee.

WBD

www.empiredistrict.com

EDE – NYSE



919 South Kansas Avenue ■ Topeka, Kansas 66612-1210

(785) 354-1354 (O) ■ (785) 354-8092 (F) ■ (785) 224-6666 (M)

www.wbdpa.com ■ wbdamron@aol.com