Yoon, Laura

From: Dillard, Trevor [TDillard@nvenergy.com]
Sent: Tuesday, December 01, 2009 9:53 AM

To: Soyars, Darrell Cc: Smith, Laura

Subject: RE: NV Energy Emissions Factors

Oops- My first attempt I forgot to attach the file. Here it is.

Please see the attached file. There are three separate tabs for each company (Nevada Power, Sierra Electric (Nevada), and Sierra Gas). It is also broken up by rate class (Single family and Multi-Family). We typically only quote the single family numbers.

Trevor Dillard Manager Regulatory Services NV Energy P.O. Box 10100 MS - S4A50 Reno, NV 89520-0024

Phone: (775)834-5823Fax: (775)834-4484

From: Soyars, Darrell

Sent: Tuesday, December 01, 2009 9:24 AM

To: Dillard, Trevor Cc: 'Smith, Laura'

Subject: RE: NV Energy Emissions Factors

Trevor, Do you have the 2008 or later avg. customer usage numbers? Laura is working on a project in South Lake if we have them broken out by region.

Thanks, Darrell

Darrell Soyars | Program Manager NV Energy | Environmental, Health and Safety 6100 Neil Road, Reno, Nevada 89520 0:775.834.4744 | C:775.771.0882 NEW EMAIL: dsoyars@nvenergy.com

From: Smith, Laura [mailto:lsmith@jsanet.com] Sent: Monday, November 16, 2009 4:55 PM

To: Soyars, Darrell

Subject: RE: NV Energy Emissions Factors

Hi Darrell!

Does NV Energy have "average" household electricity usage estimates? For example: 540 kWh per single family home. In addition, is information available for a general commercial building? Project specific information for several alternatives is unavailable so I am looking for "general statistics".

Thanks so much!

Laura

From: Soyars, Darrell [mailto:DSoyars@nvenergy.com]

Sent: Monday, November 09, 2009 2:12 PM

To: Smith, Laura

Subject: RE: NV Energy Emissions Factors

Hello Laura,

The 2008 CCAR factors have not been verified yet but they most likely will be very similar to 2007. The emission factors below look ok except for the CO2 which would be 1,443 lbs/Megawatt – hour (MWh).

Let me know if you have any questions...

Thanks, Darrell

Darrell Soyars | Program Manager NV Energy | Environmental, Health and Safety 6100 Neil Road, Reno, Nevada 89520 0:775.834.4744 | C:775.771.0882 NEW EMAIL: dsoyars@nvenergy.com

From: Smith, Laura [mailto:lsmith@jsanet.com] Sent: Monday, November 09, 2009 1:59 PM

To: Soyars, Darrell

Subject: RE: NV Energy Emissions Factors

Hi Darrell,

I hope this email finds you well. I wanted to follow up with our email conversation regarding emission factors for CO2, CH4, and N20 (below). Last we spoke; you provided a CO2 emission factor and indicated that statistics for CH4 and N20 may be available next month (November). I am just beginning my analysis and was wondering if these values now available? If not, I will go ahead and use the below statistics to calculate emissions from electrical usage:

CO2: 0.001443 lb/ MWh (your email 10/5/2009)

CH4: 0.0302 lb/ MWh (CCAR) N20: 0.0081 lb/MWh (CCAR) SF6: 0.00032 lb MWh (ARB)

Please note that the CCAR emission factors for CH4 and N20 are higher than the CO2 emission factor you provided in October. Please verify that this is correct.

Thanks so much!

Laura

From: Soyars, Darrell

Sent: Monday, October 05, 2009 9:42 AM

To: Matthews, Jeff **Cc:** Weldon, Eric

Subject: RE: NV Energy Emissions Factors

We currently have California Climate Action Registry (CCAR) third-party verified numbers for CO2 only. These represent "NV Energy Power Delivered" to the customer...

2006: 1.489 lbs CO2/kWh 2007: 1.443 lbs CO2/kWh We are going through the CCAR verification process right now so I expect that our 2008 value will be available next month. I do have rough estimates for CH4 and N20 but they have not been verified. Let me know if you have any questions.

-Darrell

Darrell Soyars | Program Manager NV Energy | Environmental, Health and Safety 6100 Neil Road, Reno, Nevada 89520 0:775.834.4744 | C:775.771.0882 NEW EMAIL: dsoyars@nvenergy.com

From: Smith, Laura [mailto:lsmith@jsanet.com] Sent: Thursday, October 01, 2009 3:51 PM

To: _DL Nevadateam

Subject: NV Energy Emissions Factors

Hello,

I will be completing an Air Quality analysis for a project located in the South Lake Tahoe area. More specially, I will quantify GHG emissions from anticipated electricity and water consumption. Does NV Energy have current emissions factors for CO2, CH4, and N2O per kWh? If so, are these statistics third party verified or audited? Any information would be extremely helpful.

Thank you in advance,

Laura Smith

Air Quality and Climate Change Specialist

ICF Jones & Stokes

630 K St Suite 400 | Sacramento, CA 95814 W: 916-737-3000 | F: 916-737-3030 | M: 916-276-5874 Ismith5@icfi.com www.jonesandstokes.com www.icfi.com

NOTICE: The information contained in this electronic transmission is intended only for the use of the individual or entity named above. ANY DISTRIBUTION OR COPYING OF THIS MESSAGE IS PROHIBITED, except by the intended recipient(s). Attempts to intercept this message are in violation of 18 U.S.C. 2511(1) of the Electronic Communications Privacy Act, which subjects the interceptor to fines, imprisonment and/or civil damages. If you are not the intended recipient(s), please delete it and notify me.

NOTICE: The information contained in this electronic transmission is intended only for the use of the individual or entity named above. ANY DISTRIBUTION OR COPYING OF THIS MESSAGE IS PROHIBITED, except by the intended recipient(s). Attempts to intercept this message are in violation of 18 U.S.C. 2511(1) of the Electronic Communications Privacy Act, which subjects the interceptor to fines, imprisonment and/or civil damages. If you are not the intended recipient(s), please delete it and notify me.

NOTICE: The information contained in this electronic transmission is intended only for the use of the individual or entity named above. ANY DISTRIBUTION OR COPYING OF THIS MESSAGE IS PROHIBITED, except by the intended recipient(s). Attempts to intercept this message are in violation of 18 U.S.C. 2511(1) of the Electronic Communications Privacy Act, which subjects the interceptor to fines, imprisonment and/or civil damages. If you are not the intended recipient(s), please delete it and notify me.

NOTICE: The information contained in this electronic transmission is intended only for the use of the individual or entity named above. ANY DISTRIBUTION OR COPYING OF THIS MESSAGE IS PROHIBITED, except by the intended recipient(s). Attempts to intercept this message are in violation of 18 U.S.C. 2511(1) of the Electronic Communications Privacy Act, which subjects the interceptor to fines, imprisonment and/or civil damages. If you are not the intended recipient(s), please delete it and notify me.