

Document Control Sheet

Sheet Title:	AIR CAIR - OLS
Box ID:	40154
Control Sheet ID:	0000-0000-0085-5723
Record Series Name:	AIR / Clean Air Interstate Rule (CAIR)
Record Series:	AIR CAIR
Primary ID:	BARNEY M. DAVIS, LP
Secondary ID:	GP
Doc Type:	Applications
Security:	Public
Date:	6/6/2014 12:00AM
Title:	Applications
Tertiary ID	

NOTICE OF DOCUMENT QUALITY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**THE QUALITY OF THE FOLLOWING ORIGINAL PAPER
DOCUMENT(S) WAS SUCH THAT ALL OR PORTIONS OF THE
SCANNED IMAGE
MAY BE DIFFICULT TO READ OR ILLEGIBLE.**

Some reasons for poor quality:

There are multiple densities per page, different types of ink, faded document, and some documents are different colors. Many of the photographs, charts, graphs, maps are of poor quality.



Texas Commission on Environmental Quality
Clean Air Interstate Rule (CAIR)
Application for Nitrogen Oxides (NO_x) Allowance Allocation
Form CNA-1 (Page 1)

Received

AIR CAIR Company:

BARNEY M. DAVIS, LP

circle one: NUP or GP or SP APL
20 14 - 0 0 - 0 0 APPLICATIONS
29 pages

I. Company Information

Company Name: Barney M. Davis, LP

Mailing Address: 2901 Via Fortuna Drive, Bldg 6, Ste. 650

City: Austin

State: TX

Zip Code: 78746

TCEQ Customer Reference Number (CN): CN602656472

II. Site Information

Site Name: Barney M. Davis Power Station

Street Address: 4301 Waldron Road

Nearest City: Corpus Christi

Zip Code: 78418

County: Nueces

TCEQ Regulated Entity Reference Number (RN): RN100642040

TCEQ Air Account Number (if applicable): NE-0024-E

CAIR Compliance Account Number: 004939FACLT

III. Technical Contact Information

(Mr. ☐ Ms. ☒ Dr. ☐) Contact Name: Cecilia Garcia-Rios

Title: Regional Environmental Manager

Mailing Address: 7300 CPL Road

City: Laredo

State: Texas

Zip Code: 78041

Phone: (956) 763-3510

Fax: (956) 717-5152

E-Mail: cgarciarios@topazpowergroup.com

IV. CAIR-Designated Representative or Alternate Contact Information

(Mr. ☒ Ms. ☐ Dr. ☐) Contact Name: Mark A. Shepherd

Title: Vice President EHS

Mailing Address: 2901 Via Fortuna Drive, Bldg 6, Ste. 650

City: Austin

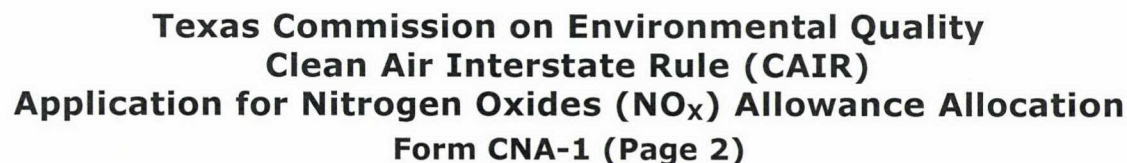
State: Texas

Zip Code: 78746

Phone: 512-314-8624

Fax: 512-314-8699

E-Mail: mshepherd@tpmlp.com

[illegible]



**Texas Commission on Environmental Quality
Clean Air Interstate Rule (CAIR)**

**TCEQ Application for Nitrogen Oxides (NO_x) Allowance Allocation
Form CNA-1 (Page 3)**

VI. Certification by Authorized CAIR-Designated Representative

Per 40 CFR §96.110(e), each submission under the CAIR NO_x Annual Trading Program shall be submitted, signed, and certified by the CAIR-designated representative for each CAIR NO_x source on behalf of which the submission is made. Please read and sign in ink the following certification statement.

"I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

Signature

Date

Note: Original signature in ink is required.

Mail application to:

Emission Banking and Trading Program (MC-206)
Air Quality Division
Texas Commission on Environmental Quality (TCEQ)
P.O. Box 13087
Austin, TX 78711-3087

EXPRESS

Express

From: (361) 939-5010
Marcia West
Topaz Power Holdings, LLC
4301 Waldron Road

Corpus Christi, TX 78418

Origin ID: CRPA

FedEx
Express

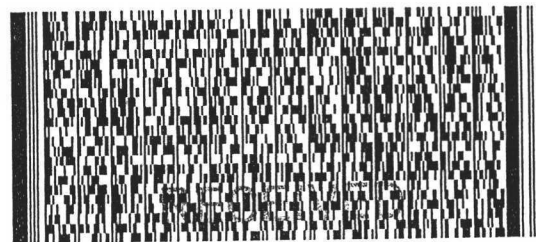


J14101402070326

SHIP TO: (512) 239-1000

BILL SENDER

Air Quality Div. - Emission Banking
TCEQ - (MC 206)
12100 Park 35 Circle
P.O. Box 13087
AUSTIN, TX 78753



JUN 06 2014

TCEQ MAIL CENTER
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Marie Mercado

From: Garcia-Rios, Cecilia <cgarciarrios@topazpowergroup.com>
Sent: Tuesday, July 08, 2014 1:00 PM
To: Marie Mercado
Cc: 'mshepherd@tpmlp.com'; Garcia-Rios, Cecilia
Subject: RE: 2018 through 2022 CAIR allocations: Barney M. Davis Power Station, RN100642040 (Respond by COB on Wednesday, June 9, 2014)

Marie,

We concur with your understating. The facility generates steam only for the purpose of electricity and does not sell thermal energy. Below is a brief description of the site's combined cycle combustion turbines with HRSG.

Combined Cycle Combustion Turbines and Duct-Fired HRSGs (EPNs BMD3 and BMD4)

The Barney M. Davis Power Station utilizes two (2) natural gas fired combustion turbines and duct-fired heat recovery steam generators (HRSGs) to produce electricity. Ambient air is drawn through an air filtration intake structure through a chiller coil, then into the inlet compressor section of the combustion turbine. After compression, the air is mixed with natural gas and burned in the combustors, which exhausts the hot gases through rows of stationary vanes and rotating blades. These hot exhaust gases turn the turbine and drive a generator to produce electric power for distribution. The exhaust gases from each combustion turbine then pass through an HRSG where boiler feed water is converted into steam. Each HRSG is equipped with duct burners to provide additional heat input to the combustion gases used to generate steam. The steam is used to drive the existing steam turbine that produces a nominal 350 MW of electricity. Collectively, the combustion turbine generators, HRSGs and steam turbine generator form a combined cycle power facility. Combined cycle operation incorporates a two-on-one configuration, two combustion turbine/duct-fired HRSG sets with one steam turbine, to provide for a nominal generating capacity of 700 MW with the operation of the duct burners. The combustion turbine and duct burners are fueled solely with natural gas. Typical operation consists of the combustion turbine and HRSG units operating at various loads with intermittent supplemental firing. The units operate up to 8,760 hours per year. The duct burners are fired to allow the facility to respond to fluctuations of electrical load demand while operating the turbine at 50% to 100% load. DLN burner technology in the combustion turbine, coupled with low-NOX duct burners including flue gas recirculation and Selective Catalytic Reduction (SCR) are used to minimize nitrogen oxide (NOX) emissions. The operation of the SCR involves the injection of ammonia into the exhaust gas stream ahead of a catalyst bed. In addition, an oxidation catalyst is installed to minimize emissions of carbon monoxide (CO) and volatile organic compounds (VOC) from the combustion of natural gas. NOx, CO and oxygen emissions from Units 3 and 4 are monitored by continuous emissions monitoring system (CEMS).

If you have any additional questions, do not hesitate to contact Mark Shepherd at (512) 314-8624 or myself at (956) 763-3510.

Thanks,
Cecilia

Cecilia Garcia-Rios

Regional Environmental Manager

Topaz Power | Barney Davis Energy Center | Nueces Bay Energy Center | Laredo Energy Center

Mobile – 956.763.3510 | cgarciarrios@topazpowergroup.com

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]

Sent: Tuesday, July 08, 2014 12:16 PM

To: Garcia-Rios, Cecilia

Cc: 'mshepherd@tpmlp.com'

Subject: 2018 through 2022 CAIR allocations: Barney M. Davis Power Station, RN100642040 (Respond by COB on Wednesday, June 9, 2014)

Per my discussion this afternoon with Mr. Shepherd, it was determined that your site's unit's applicability is 30 TAC 101.506(b)(3)(A), because you only generate steam for the purpose of electricity. The units at this site are combined cycle combustion turbines with HRSG. **Please concur via e-mail that my understanding is correct.** If this correct, no additional information is needed for this site.

Note that the only apparent difference between 30 TAC 101.506(b)(2)(A) and 30 TAC 101.506(b)(3)(A) is the applicable control periods.

Thanks,
Marie

Marie Mercado

From: Espinoza, Elda <EEspinoza@brownsville-pub.com>
Sent: Wednesday, June 18, 2014 4:45 PM
To: Marie Mercado
Cc: Gomez, Alberto; Capistran, Ramiro
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Marie,

We have reviewed and verified that EPA data is correct for Unit 9 and Unit 10 Silas Ray Power Plant ORISPL 3559. Please contact me if you need additional information.

Elda M. Espinoza
Regulatory Compliance Specialist
Brownsville PUB
956.983.6232
elespinoza@brownsville-pub.com

From: Marie Mercado [mailto:Marie.Mercado@tceq.texas.gov]
Sent: Friday, May 23, 2014 12:53 PM
To: Gomez, Alberto; andy.ramirez@epelectric.com; anthony.ligato@calpine.com; becky.s.pietras@usa.dupont.com; ben.carmine@nrgenergy.com; bill.kelly@calpine.com; bill.tyus@gdfsuezna.com; cawthomr@airproducts.com; chris.simpson@calenergy.com; cmhobson-DR@southernco.com; craig.eckberg@nrgenergy.com; crh@portofplpc.com; bstout@beabblackhawk.com; daniel.inemer@exeloncorp.com; darin.l.fields@p66.com; darren.a.swisher@exxonmobil.com; David.Low@xcelenergy.com; david.m.gorsich@exxonmobil.com; david.mcdonald@calpine.com; Dean.Metcalf@xcelenergy.com; dean.thrall@calpine.com; djrachels@eastman.com; dnitschke@pandashermantx.com; doug.fritsch@lcra.org; eddh@gtpower.com; edward.lesh@constellation.com; ESENAC@entergy.com; etoufar@pandatempletx.com; fabian.camacho@fpl.com; gary.kowalczyk@fpl.com; gclark@camstex.com; glenn.smylie@calenergy.com; gmiller@btutilities.com; greg.basinger@lonestargen.com; greg.johnson@airliquide.com; greg.mach@gdfsuezna.com; grticken@cpsenergy.com; gscienski@lspower.com; gzheng@lpandl.com; james.d.deloney@conocophillips.com; jamie.sayle@optimenergy.com; janh@texasmpa.org; japackard@stec.org; jason.jin@aes.com; jason.miller@airliquide.com; jchendricks@aep.com; jeffery.callahan@calpine.com; jerome.svatek@lonestargen.com; jeutizi@smeci.net; jgrider@geus.org; jimmy.havins@lcra.org; jkanive@wayzpartners.com; jmeriwether@gpltexas.org; jmmcmamus@aep.com; john.hambrick@exeloncorp.com; John.Stuart@gdfsuezna.com; John.Tissue@exeloncorp.com; john-r-bobby.laughlin@usa.dupont.com; jpippin@gsec.coop; jwalsh@wayzpartners.com; jwbrough@marathonpetroleum.com; kathleen.garrett@austinenergy.com; kbabb@texasmpa.org; kenny.draper@gdfsuezna.com; kent.dawson@lcra.org; kfletcher@ppmsllc.com; kfrench@lspower.com; kourpadt@airproducts.com; krstoker@cpsenergy.com; kurt.wiedenfeld@gdfsuezna.com; kwarren@geus.org; lcarlson@tenaska.com; majohnson@calpine.com; mark.adams@directenergy.com; mark.vest@lonestargen.com; MBurr@gpltexas.org; mglover@entergy.com; mhering@btutilities.com; mike.coffman@gdfsuezna.com; mike.knisley@gdfsuezna.com; mkadon@pandashermantx.com; mkezar@smeci.net; mlindsey@camstex.com; mmeyers@brazoselectric.com; monte.gottier@lcra.org; mshepherd@tpmlp.com; mwolske@ppmsllc.com; nduperron@topazpowergroup.com; neal.coffey@gdfsuezna.com; nrahn@cpv.com; patrickb@calpine.com; randall.snyder@nexteraenergy.com; ravi.joseph@austinenergy.com; RBakondy@camstex.com; Capistran, Ramiro; rfederw1@luminant.com; rlatham@calpine.com; robert.stevens@gdfsuezna.com; roberto.lira@directenergy.com;

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scott.parker@calpine.com; shausman@pandatempletx.com; steve.horn@luminant.com; steven.bates@gdfsuezna.com;
szant@brazoselectric.com; thevrin@camstex.com; thomas.callaghan@lonestargen.com; tjonas@tenaska.com;
wayne.whitehead@nrgenergy.com; wgrnwdt@eastman.com; wwalker@calpine.com; khuyen.nguyen@nrgenergy.com;
'liz.kashi@nrgenergy.com'

Cc: Lindley Anderson; Brandon Greulich

Subject: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Importance: High

This message is being sent to all Texas Clean Air Interstate Rule (CAIR) designated representatives and alternates with e-mail addresses listed with the United States Environmental Protection Agency's Air Markets Program:

This e-mail is specifically for sites with electric generating units (EGU) that are expecting to receive 2018 through 2022 CAIR general pool allocations. Review and respond by June 23, 2014.

Please review, verify, and provide all information in the tables associated with your facilities. The tables are provided as follows in the pdf:

Page 1 through Page 4: 30 TAC §101.506(a)(2) - Baseline Heat Inputs for Units Commencing Operation Before 2001

- Verify data. If EPA data is wrong, please provide correct data and explain why it is incorrect. Note that we cannot allocate on heat input data higher than what was reported to EPA.

Page 5 through Page 6: Units Commencing Operation before 2001, but did not Operate in 2009 through 2013

- If the facility is listed on pages 5 and 6, they will not receive allocations.

Page 7 through Page 8: 30 TAC §101.506(b)(3)(A) - Baseline Heat Inputs for Units Commencing Operation in or after 2001*

- Verify data. If EPA data is wrong, please provide correct data and explain why it is incorrect. Note that we cannot allocate on gross electrical output data higher than what was reported to EPA.

Page 9: 30 TAC §101.506(b)(3)(C) - Baseline Heat Inputs for Units Commencing Operation in or after 2001*

- Verify data and provide missing data (example: steam data). If EPA data is incorrect, please provide correct data and explain why it is wrong. Note that we cannot allocate on data higher than what was reported to EPA.

Page 10: Units Commencing Operation in or after 2001 submitting a Form CNA-1 by May 1, 2014*

- We have only received the applications for facilities highlighted in yellow. If we have not received your application it is late. Please submit as soon as possible.

NOTE: 2013 data was preliminary according to EPA's Air Markets Program Data website for all facilities at the time that this data was pulled. Please provide complete data, as appropriate. This data will be verified with EPA's data.

If you have questions or comments, please contact me by phone at (512) 239-2054 or by e-mail at Marie.Mercado@tceq.texas.gov<mailto:Marie.Mercado@tceq.texas.gov>. Please include "CAIR, EPA Data Verification" in the e-mail subject line.

Thanks,

• Marie Mercado, P.E.
Engineer II

Texas Commission on Environmental Quality Emissions Trading and Banking Program, MC-206 Office of Air, Air Quality
Division PO BOX 13087 Austin, Texas 78711-3087

512.239.2054 (Direct)

512.239.6188

Marie.Mercado@tceq.texas.gov<mailto:Marie.Mercado@tceq.texas.gov>

Marie Mercado

From: Patrick Blanchard <Patrick.Blanchard@calpine.com>
Sent: Friday, July 18, 2014 12:58 PM
To: Marie Mercado
Subject: Calpine CAIR Units Follow UP

Ms. Mercado,

Per our discussion earlier this week, Calpine has no changes to the reported data to EPA and confirms the thermal data as previously provided. As discussed, the thermal data does not include steam production used for power generation.

Please let me know if you need anything additional.

Patrick Blanchard
Calpine Corporation
717 Texas Avenue, suite 1000,
Houston, Texas 77002
| p | 713.830.8717 | e | patrickb@calpine.com

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Marie Mercado

From: Patrick Blanchard <Patrick.Blanchard@calpine.com>
Sent: Monday, July 14, 2014 5:00 PM
To: Marie Mercado
Subject: RE: CAIR, EPA Data Verification

Ms Mercado,

You are correct, the information listed at Gross Electric Output erroneously reflects heat input. Calpine will correct this error as well as verify the steam energy values and provide an updated submittal ASAP.

From: Marie Mercado [mailto:Marie.Mercado@tceq.texas.gov]
Sent: Monday, July 14, 2014 9:11 AM
To: Patrick Blanchard
Subject: RE: CAIR, EPA Data Verification

Thank you for your response. With regard to the Gross Electrical Output provided in the spreadsheet, it appears that these values reflect Heat Input in MMBtu and not Gross electrical output in MWh. Please advise if this is correct.

Thanks,
Marie

From: Patrick Blanchard [mailto:Patrick.Blanchard@calpine.com]
Sent: Tuesday, July 01, 2014 10:31 AM
To: Marie Mercado
Subject: RE: CAIR, EPA Data Verification

Ms. Mercado,

We have reviewed the data provided and found it consistent with the data reported to EPA for each of our sites and have no updates.

With regard to the requested to update 2009 through 2013 Steam Heat Energy, please find attached a spreadsheet containing the requested information for the affected Calpine Co-generation facilities. Steam Heat Energy in this spreadsheet reflects actual thermal energy exported to a third party site- (e.g. an adjacent refinery or petrochemical complex).

Please let me know if you have any questions regarding this information or if I can provide any additional data.

Regards,

Patrick Blanchard

From: Marie Mercado [Marie.Mercado@tceq.texas.gov]
Sent: Tuesday, June 24, 2014 12:30 PM
To: Patrick Blanchard
Subject: RE: CAIR, EPA Data Verification

An excel spreadsheet is acceptable. Also, please provide supporting documentation, such as conversion factors (including the source of the conversion factor), and any other documentation that will allow me to verify the data provided. (i.e. source of monitoring)

Thanks,
Marie

From: Patrick Blanchard [<mailto:Patrick.Blanchard@calpine.com>]
Sent: Tuesday, June 24, 2014 7:06 AM
To: Marie Mercado
Subject: CAIR, EPA Data Verification

Ms. Mercado,

What format would you like to have the steam data (Page 9) Provided? Would an excel spreadsheet be acceptable?

I will provide the information for the Calpine facilities today (Baytown, Channel, Corpus and Deer Park)

Patrick Blanchard
Calpine Corporation
717 Texas Avenue, suite 1000, Texas 77002
| p | 713.830.8717 | e | patrickb@calpine.com

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]
Sent: Friday, May 23, 2014 12:53 PM
To:
Cc: Lindley Anderson; Brandon Greulich
Subject: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations
Importance: High

This message is being sent to all Texas Clean Air Interstate Rule (CAIR) designated representatives and alternates with e-mail addresses listed with the United States Environmental Protection Agency's Air Markets Program:

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- Verify data. If EPA data is wrong, please provide correct data and explain why it is incorrect. Note that we cannot allocate on heat input data higher than what was reported to EPA.

Page 5 through Page 6: Units Commencing Operation before 2001, but did not Operate in 2009 through 2013

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Page 7 through Page 8: 30 TAC §101.506(b)(3)(A) - Baseline Heat Inputs for Units Commencing Operation in or after 2001*

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Page 9: 30 TAC §101.506(b)(3)(C) - Baseline Heat Inputs for Units Commencing Operation in or after 2001*

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Page 10: Units Commencing Operation in or after 2001 submitting a Form CNA-1 by May 1, 2014*

- We have only received the applications for facilities highlighted in yellow. **If we have not received your application it is late. Please submit as soon as possible.**

NOTE: 2013 data was preliminary according to EPA's Air Markets Program Data website for all facilities at the time that this data was pulled. Please provide complete data, as appropriate. This data will be verified with EPA's data.

If you have questions or comments, please contact me by phone at (512) 239-2054 or by e-mail at Marie.Mercado@tceq.texas.gov. Please include "CAIR, EPA Data Verification" in the e-mail subject line.

Thanks,

Marie Mercado, P.E.
Engineer II

Texas Commission on Environmental Quality
Emissions Trading and Banking Program, MC-206
Office of Air, Air Quality Division
PO BOX 13087
Austin, Texas 78711-3087
512.239.2054 (Direct)
512.239.6188
Marie.Mercado@tceq.texas.gov

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Marie Mercado

From: Patrick Blanchard <Patrick.Blanchard@calpine.com>
Sent: Tuesday, July 01, 2014 10:31 AM
To: Marie Mercado
Subject: RE: CAIR, EPA Data Verification
Attachments: Calpine CAIR Steam Production emission 2009 through 2013.xlsx

Ms. Mercado,

We have reviewed the data provided and found it consistent with the data reported to EPA for each of our sites and have no updates.

With regard to the requested to update 2009 though 2013 Steam Head Energy, please find attached a spreadsheet containing the the requested information for the affected Calpine Co-generation facilities. Steam Heat Energy in this spreadsheet reflects actual thermal energy exported to a third party site- (e.g. an adjacent refinery or petrochemical complex.

Please let me know if you have any questions regarding this information or if I can provide any additional data.

Regards,

Patrick Blanchard

From: Marie Mercado [Marie.Mercado@tceq.texas.gov]
Sent: Tuesday, June 24, 2014 12:30 PM
To: Patrick Blanchard
Subject: RE: CAIR, EPA Data Verification

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From: Patrick Blanchard [mailto:Patrick.Blanchard@calpine.com]
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To: Marie Mercado
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Patrick Blanchard
Calpine Corporation
717 Texas Avenue, suite 1000, Texas 77002
| p | 713.830.8717 | e | patrickb@calpine.com

From: Marie Mercado [mailto:Marie.Mercado@tceq.texas.gov]

Sent: Friday, May 23, 2014 12:53 PM

To:

Cc: Lindley Anderson; Brandon Greulich

Subject: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Importance: High

This message is being sent to all Texas Clean Air Interstate Rule (CAIR) designated representatives and alternates with e-mail addresses listed with the United States Environmental Protection Agency's Air Markets Program:

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- Verify data and provide missing data (example: steam data). If EPA data is incorrect, please provide correct data and explain why it is wrong. Note that we cannot allocate on data higher than what was reported to EPA.

Page 10: Units Commencing Operation in or after 2001 submitting a Form CNA-1 by May 1, 2014*

- We have only received the applications for facilities highlighted in yellow. **If we have not received your application it is late. Please submit as soon as possible.**

NOTE: 2013 data was preliminary according to EPA's Air Markets Program Data website for all facilities at the time that this data was pulled. Please provide complete data, as appropriate. This data will be verified with EPA's data.

If you have questions or comments, please contact me by phone at (512) 239-2054 or by e-mail at Marie.Mercado@tceq.texas.gov. Please include "CAIR, EPA Data Verification" in the e-mail subject line.

Thanks,

Marie Mercado, P.E.
Engineer II

Texas Commission on Environmental Quality

Emissions Trading and Banking Program, MC-206
Office of Air, Air Quality Division
PO BOX 13087
Austin, Texas 78711-3087
512.239.2054 (Direct)
512.239.6188
Marie.Mercado@tceq.texas.gov

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Heat Inputs

Facility	ORIS	Unit	2009 Gross Electrical Output (MWh)	2010 Gross Electrical Output (MWh)	2011 Gross Electrical Output (MWh)	2012 Gross Electrical Output (MWh)	2013 Gross Electrical Output (MWh)	2009 Steam Heat Energy (MMBtu)	2010 Steam Heat Energy (MMBtu)	2011 Steam Heat Energy (MMBtu)	2012 Steam Heat Energy (MMBtu)	2013 Steam Heat Energy (MMBtu)
→ Baytown Energy Center	55,327	CTG-1	10,039,682	8,609,372	11,299,589	11,994,446	6,418,492	850,264	890,109	1,295,517	1,310,090	784,605
Baytown Energy Center	55,327	CTG-2	9,203,036	11,023,570	10,153,080	10,580,377	8,203,212	711,530	1,092,288	1,132,504	1,223,604	881,209
Baytown Energy Center	55,327	CTG-3	11,164,936	12,075,084	11,475,326	11,989,228	12,269,491	826,929	1,288,551	1,259,111	1,415,725	1,225,159
→ Channel Energy Center	55,299	CTG1	12,940,516	9,985,960	12,217,309	10,074,599	10,128,110	4,218,076	4,402,096	4,656,737	4,406,892	4,320,536
Channel Energy Center	55,299	CTG2	10,664,578	8,659,550	10,714,357	9,907,317	10,522,584	3,476,214	3,817,376	4,083,873	4,333,718	4,488,814
→ Corpus Christi Energy Center	55,206	CU1	13,041,619	12,571,186	11,345,418	13,283,475	12,595,470	4,227,272	4,240,453	3,244,507	4,123,252	4,194,183
Corpus Christi Energy Center	55,206	CU2	11,608,135	11,374,440	14,663,745	10,678,707	8,975,313	3,762,626	3,836,773	4,193,465	3,314,720	2,988,702
→ Deer Park Energy Center	55,464	CTG1	16,052,272	14,832,305	14,485,402	14,334,264	14,537,647	6,578,374	6,454,272	6,196,065	5,842,657	6,756,498
Deer Park Energy Center	55,464	CTG2	14,824,115	16,816,020	15,901,800	16,957,441	14,274,333	6,075,064	7,317,485	6,801,922	6,911,865	6,634,120
Deer Park Energy Center	55,464	CTG3	16,278,825	15,001,345	16,427,959	15,963,466	15,210,558	6,671,218	6,527,829	7,026,984	6,506,721	7,069,239
Deer Park Energy Center	55,464	CTG4	14,250,311	12,569,196	12,798,672	15,304,933	14,227,942	5,839,913	5,469,481	5,474,573	6,238,302	6,612,559

Notes:

Gross Electrical Output were reviewed and the data above represent no changes from that reported to EPA under CAIR/Acid Rain Requirements. Gross electrical output as reported to EPA includes generation from an associated Steam Turbine generator -if any.
 Steam Energy reflects actual thermal energy exported to a third party site- (e.g. an adjacent refinery or petrochemical complex. This value does not include any thermal energy consumed on site.

Calpine Facility/Unit	Oris Code	Unit ID
Baytown Energy Center	55327	CTG-1
Baytown Energy Center	55327	CTG-2
Baytown Energy Center	55327	CTG-3
Bosque County Power Plant	55172	GT-1
Bosque County Power Plant	55172	GT-2
Bosque County Power Plant	55172	GT-3
Brazos Valley Energy, LP	55357	CTG1
Brazos Valley Energy, LP	55357	CTG2
Calpine Hidalgo Energy Center	7762	HRSG1
Calpine Hidalgo Energy Center	7762	HRSG2
Channel Energy Center	55299	CTG1
Channel Energy Center	55299	CTG2
Clear Lake Cogeneration	10741	G102
Clear Lake Cogeneration	10741	G103
Clear Lake Cogeneration	10741	G104
Corpus Christi Energy Center	55206	CU1
Corpus Christi Energy Center	55206	CU2
Deer Park Energy Center	55464	CTG1
Deer Park Energy Center	55464	CTG2
Deer Park Energy Center	55464	CTG3
Deer Park Energy Center	55464	CTG4
Freestone Power Generation	55226	GT1
Freestone Power Generation	55226	GT2
Freestone Power Generation	55226	GT3
Freestone Power Generation	55226	GT4
Magic Valley Generating Station	55123	CTG-1
Magic Valley Generating Station	55123	CTG-2
Pasadena Power Plant	55047	CG-1
Pasadena Power Plant	55047	CG-2
Pasadena Power Plant	55047	CG-3
Texas City Cogeneration	52088	GT-A
Texas City Cogeneration	52088	GT-B
Texas City Cogeneration	52088	GT-C

Marie Mercado

From: Albrecht, Ann via RT <ampd-support@camdsupport.com>
Sent: Wednesday, July 16, 2014 1:25 PM
To: Marie Mercado
Cc: Johnson.Travis@epa.gov; Branch.Paula@epa.gov; Vansickle.Karen@epa.gov
Subject: [AMPD Support #40478] MMercado: Facilities Shutdown

Marie,

Technically speaking, the 3 units at ORIS 3508 are still considered to be operating. However, none of them have reported any actual operating data since 2010. The emissions reports since that time have all been non-operating files.

If the units are really retired, the facility should submit Retired Unit Exemption forms to CAMD. Then they would not have to submit non-operating emissions files every quarter.

Regards,
Ann

On Wed Jul 16 14:09:45 2014, Marie.Mercado@tceq.texas.gov wrote:

> Ann,
>
> After reading this e-mail closer, I realized that I know this
> procedure. However, I would like to know what the site is
> considered with EPA (i.e. retired). Would you mind checking into
> Valley (003508FACLT)?
>
> Thanks,
> Marie
> -----Original
> Message-----
> From: Albrecht, Ann via RT [mailto:ampd-
> support@camdsupport.com]
> Sent: Wednesday, July 16, 2014 12:34 PM
> To: Marie Mercado
> Cc: Johnson.Travis@epa.gov;
> Branch.Paula@epa.gov; Vansickle.Karen@epa.gov
> Subject: [AMPD
> Support #40478] MMercado: Facilities Shutdown
>
> Marie,
>
> There
> is no specific functionality in AMPD for viewing shutdown
> facilities. However, generally speaking, if you run a Facility
> Attributes query and a facility does not show up for a year, then

> the facility can be assumed to not be operating and/or not expected
> to report emission to CAMD for one of their administered programs.
> To do this, you would go to AMPD (<http://ampd.epa.gov/ampd/>)
> Queries tab Select All Programs, Facility Attributes Select a Time
> Frame Select a State, if desired

>
> If you have a question about a
> specific facility, I would be more than happy to look into it for
> you.

>
> Regards,
> Ann Albrecht
> AMPD Support

>
>
>
>
>
>
> On Wed Jul

> 16 13:08:37 2014, KVanSick wrote:
>> Please provide an answer to
> the question below.

>>
>> Thanks,
>>
>> Karen VanSickle
>> U.S.
> EPA
>> Clean Air Markets Division
>> (202) 343-9220

>>
>> From:
> Johnson, Travis
>> Sent: Wednesday, July 16, 2014 1:03 PM
>> To:
> Vansickle, Karen
>> Subject: FW: Facilities Shutdown

>>
>> Hi
> Karen,
>> Is there an easy way to determine if a facility is shut
> down via AMPD?
>> Travis

>>
>> From: Marie Mercado
> [<mailto:Marie.Mercado@tceq.texas.gov>]
>> Sent: Wednesday, July 16,
> 2014 11:52 AM
>> To: Johnson, Travis
>> Subject: Facilities
> Shutdown

>>

> > Hi Travis,
> >
> > In general, how do I verify that
> a facility is shut down?
> >
> > Thanks,
> > Marie
>
>
>
>
> This
> correspondence was sent from SRA International, Inc. which is a
> contractor to the U.S. Environmental Protection Agency.

This correspondence was sent from SRA International, Inc. which is a contractor to the U.S. Environmental Protection Agency.

Marie Mercado

From: Johnson, Travis <Johnson.Travis@epa.gov>
Sent: Wednesday, July 16, 2014 12:25 PM
To: Marie Mercado
Subject: RE: Facilities Shutdown (Correction...added one site)

Sweetwater (50615)

Unit GT01 – Operating

Unit GT02 – Operating

Unit GT03 – Operating

Although they have not reported emissions data to us since, at least 2011 (possibly before).

Tradinghouse (3506)

Unit 1 – Retired (3/7/2014)

Unit 2 – Retired (3/7/2014)

WB Tuttle (3613)

Units 1, 2, 3, and 4 – Retired

Lake Creek (3502)

Unit 1 – Operating

Unit 2 – Operating

Although they have not reported emissions data to us since, at least 2011 (possibly before).

So, it looks like Sweetwater and Lake Creek haven't operated recently, but haven't submitted official paperwork to retire the units. Also, I believe that you do have access to this information via the CAMD Business System (CBS). If you are interested, contact Karen VanSickle to get access.

Travis

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]

Sent: Wednesday, July 16, 2014 1:09 PM

To: Johnson, Travis

Subject: RE: Facilities Shutdown (Correction...added one site)

Thanks, Travis. Would you mind confirming if the following sites are shut down?

Facility Name	Account
Sweetwater	050615FACLT
Tradinghouse	003506FACLT
WB Tuttle	003613FACLT
Lake Creek	003502FACLT

Thank you very much,
Marie

From: Johnson, Travis [<mailto:Johnson.Travis@epa.gov>]
Sent: Wednesday, July 16, 2014 12:02 PM
To: Marie Mercado
Subject: RE: Facilities Shutdown

Marie –

If it's a source that is under Part 75 reporting, there are a few different ways, the easiest (and most current information) would be for me to look it up on our system.

Travis

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]
Sent: Wednesday, July 16, 2014 11:52 AM
To: Johnson, Travis
Subject: Facilities Shutdown

Hi Travis,

In general, how do I verify that a facility is shut down?

Thanks,
Marie

Marie Mercado

From: Mona Johnson <mjohnson@camsesparc.com>
Sent: Friday, June 20, 2014 5:22 PM
To: Marie Mercado
Cc: Matthew Lindsey; bfry
Subject: CAIR, EPA Data Verification

Marie-

We have verified the data for Blackhawk Station (55064) and did not find any errors.
The heat input data that you have represented for Units 1 and 2 is consistent with what we reported to EPA.

Thank you,
Mona

Mona Caesar Johnson, P..E.
CAMS eSPARC, LLC
1110 NASA Parkway, Suite 212
Houston, TX 77058
Office: 281-333-3339 x201
Cell: 713-540-6821
mjohnson@camsesparc.com

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Marie Mercado

From: Mona Johnson <mjohnson@camsesparc.com>
Sent: Friday, June 20, 2014 5:32 PM
To: Marie Mercado
Cc: Matthew Lindsey; Rachal Havens
Subject: CAIR, EPA Data Verification

Marie-

We have verified the data for the Sabine Cogeneration Facility (55104) and did not find any errors.
The heat input data that you have represented for Units SAB-1 and SAB-2 is consistent with what was reported to EPA.

Thank you,
Mona

Mona Caesar Johnson, P.E.

CAMS eSPARC, LLC

1110 NASA Parkway, Suite 212

Houston, TX 77058

Office: 281-333-3339 x201

Cell: 713-540-6821

mjohnson@camsesparc.com

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Marie Mercado

From: Rodriguez, Angela D. <ADRodriguez@CPSEnergy.com>
Sent: Tuesday, July 08, 2014 3:51 PM
To: Marie Mercado
Cc: Stoker, Kimberly R.
Subject: RE: CAIR: Calaveras Lake Plant (J K Spruce), RN100217975 (Please respond by COB Wednesday, July 9th)

Hello,

The CEMS (Continuous Emissions Monitoring Systems) that gather the data that goes to ECMPS and is reported quarterly to the EPA is tabulated differently than how we track mwhts on our summary sheets. I wouldn't say one is more accurate than the other, just different ways of calculating operating hours. In 2009, the CEMS were not operating yet, so they didn't gather any operating hours or report to EPA (it was not required yet), but we did keep track internally, so I provided the data for 2009. To be consistent, I reported mwhts based on our internal summaries. However, I don't want there to be a discrepancy with EPA, so for purposes of calculating CAIR allowances for Spruce 2, please use the EPA data instead of the mwhts that I provided.

Thank you,

Angela D Rodriguez
Manager, Environmental Planning, Compliance & Sustainability
Air Permitting and Compliance Section
CPS Energy/Mail Drop 100406/145 Navarro/San Antonio, Texas 78205
(210) 353-4585 | adrodriguez@cpsenergy.com

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]
Sent: Tuesday, July 08, 2014 3:38 PM
To: Rodriguez, Angela D.
Cc: Stoker, Kimberly R.
Subject: CAIR: Calaveras Lake Plant (J K Spruce), RN100217975 (Please respond by COB Wednesday, July 9th)

Hi Ms. Rodriguez,

I am concerned about the following discrepancies:

Unit ID	Data	2009	2010	2011	2012	2013
2	Reported					
	Gross Electrical Output (MWh)	11,842	2,834,779	5,257,060	5,703,421	4,014,321
	EPA					
	Gross Load (MWh)	-	2,511,879	5,255,197	5,702,372	4,015,505

Please review these discrepancies and explain, if possible. Also, note that I cannot grant allocations based on data higher than what was reported to EPA.

Please respond by close of business on Wednesday, July 9, 2014.

Thanks,

Marie Mercado, P.E.
Engineer II

Texas Commission on Environmental Quality
Emissions Trading and Banking Program, MC-206
Office of Air, Air Quality Division
PO BOX 13087
Austin, Texas 78711-3087
512.239.2054 (Direct)
512.239.6188
Marie.Mercado@tceq.texas.gov

Marie Mercado

From: Rodriguez, Angela D. <ADRodriguez@CPSEnergy.com>
Sent: Wednesday, May 21, 2014 2:26 PM
To: Marie Mercado
Subject: RE: CAIR Form CNA-1 (Page 2) - REVISED

Marie,

As discussed over the phone, I was confused because the instruction sheet for the form CNA-1 and the rule citations did not match, but the citation 30 TAC 101.506 (b)(3)(A) is correct for our boiler. Spruce 2 is a coal fired boiler used to produce electricity, it does not meet (B) or (C), so we fall under (A). The unit does not make any other useful thermal energy for any purpose.

The citation below is correct for our unit:

(A) except as provided in subparagraph (B) or (C) of this paragraph, the converted control period heat input equals the control period gross electrical output of the generator or generators served by the unit multiplied by 7,900 Btu/kWh, if the unit is coal-fired for the year, or 6,675 Btu/kWh, if the unit is not coal-fired for the year, and divided by 1,000,000 Btu/MMBtu, provided that if a generator is served by two or more units, then the gross electrical output of the generator must be attributed to each unit in proportion to the unit's share of the total control period heat input of such units for the year;

Thanks,
Angela D Rodriguez
Manager, Environmental Planning, Compliance & Sustainability
Air Permitting and Compliance Section
CPS Energy|Mail Drop 100406|145 Navarro|San Antonio, Texas 78205
(210) 353-4585 | adrodriguez@cpsenergy.com

Check out the new *Environmental Awareness* employee training on i-Grid (ENV002)
Environmental CBT Course

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]
Sent: Wednesday, May 21, 2014 11:49 AM
To: Rodriguez, Angela D.
Subject: RE: CAIR Form CNA-1 (Page 2) - REVISED

I am sorry but I have additional questions. Will you please describe the facility in the Form CNA-1? How did you determine that 30 TAC 101.506(b)(3)(A) was the appropriate unit applicability?

From: Rodriguez, Angela D. [<mailto:ADRodriguez@CPSEnergy.com>]
Sent: Wednesday, May 21, 2014 11:02 AM
To: Marie Mercado
Subject: RE: CAIR Form CNA-1 (Page 2)

Good morning,

I may have just made a copy and paste error, since I was filling out forms for all of our units, some that just needed allowances for next year and one for our Spruce 2 unit that needs allowances for the 2018 control period. Yes, please

change it to the appropriate citation for Spruce 2 to get allocations for 2018 to 2022. Sorry for my error, let me know if I need to send in a corrected form or if this email suffices.

Thanks,

Angela D Rodriguez

Manager, Environmental Planning, Compliance & Sustainability
Air Permitting and Compliance Section
CPS Energy | Mail Drop 100406 | 145 Navarro | San Antonio, Texas 78205
(210) 353-4585 | adrodriguez@cpsenergy.com

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]

Sent: Wednesday, May 21, 2014 10:56 AM

To: Rodriguez, Angela D.

Subject: CAIR Form CNA-1 (Page 2)

Good Morning Ms. Rodriguez,

I am doing a quick review of your recent Form CNA-1 submittal. You reference 30 TAC 101.506(b)(2)(A) as your unit applicability. However, 30 TAC 101.506(c)(3)(A) appears to be appropriate due to the control period associated with this submission for the 2018 control period. We will be allocating allocations from 2018 to 2022. Please advise.

Thanks,

Marie Mercado, P.E.
Engineer II

Texas Commission on Environmental Quality
Emissions Trading and Banking Program, MC-206
Office of Air, Air Quality Division
PO BOX 13087
Austin, Texas 78711-3087
512.239.2054 (Direct)
512.239.6188
Marie.Mercado@tceq.texas.gov

Marie Mercado

AIR CAIR_GP_
AP_20140501_Applications

From: Johnson, Travis <Johnson.Travis@epa.gov>
Sent: Tuesday, July 15, 2014 2:22 PM
To: Marie Mercado
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Marie-

I'm sorry, I overlooked responding to this email. Yes, it is EPA's intent to update EPA's database and the information on our website with these heat inputs at the resolution of the "unrelated reporting error".

Hope that clarifies things – Travis

From: Marie Mercado [mailto:Marie.Mercado@tceq.texas.gov]
Sent: Wednesday, July 09, 2014 12:23 PM
To: Johnson, Travis
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Travis,

I am sorry for bothering you again, but will you please confirm that it is EPA's intent to update the EPA's database with the heat inputs provided below upon resolution of the "unrelated critical error?"

Thanks,

Marie Mercado, P.E.
Engineer II

Texas Commission on Environmental Quality
Emissions Trading and Banking Program, MC-206
Office of Air, Air Quality Division
PO BOX 13087
Austin, Texas 78711-3087
512.239.2054 (Direct)
512.239.6188
Marie.Mercado@tceq.texas.gov

From: Johnson, Travis [mailto:Johnson.Travis@epa.gov]
Sent: Thursday, June 26, 2014 2:37 PM
To: Marie Mercado
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Oh, sorry.

	Number of Op. Hours	Total Op. Time (hrs)	Load	Sum of Rpt. HI (mmBtu)
2013 QTR 1 Total	2143	2,140	141,709	2,018,462
2013 QTR 2 Total	2059	2,045	108,354	1,535,628
2013 QTR 3 Total	2200	2,195	125,833	1,811,672
2013 QTR 4 Total	1974	1,972	114,766	1,641,228
2013 Cumulative Total*	8376	8,352	490,662	7,006,989
2013 Ozone Season Total*	3651	3,637	205,155	2,938,675
2012 QTR 1 Total	1885	1,881	121,722	1,731,242
2012 QTR 2 Total	2157	2,156	134,913	2,001,802
2012 QTR 3 Total	1709	1,705	102,285	1,479,458
2012 QTR 4 Total	1559	1,557	93,909	1,327,656
2012 Cumulative Total*	7310	7,299	452,829	6,540,157
2012 Ozone Season Total*	3146	3,141	192,951	2,837,188
2011 QTR 1 Total	2160	2,160	138,320	2,067,466
2011 QTR 2 Total	2182	2,180	126,514	1,958,507
2011 QTR 3 Total	2167	2,166	124,729	1,884,535
2011 QTR 4 Total	1982	1,980	122,589	1,782,821
2011 Cumulative Total*	8491	8,486	512,152	7,693,329
2011 Ozone Season Total*	3631	3,630	206,821	3,171,078

From: Marie Mercado [<mailto:Marie.Mercado@tceq.texas.gov>]

Sent: Thursday, June 26, 2014 1:59 PM

To: Johnson, Travis

Cc: JOHNSON, Greg

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Thank you. **Will you please provide the data for 2011 also?**

From: Johnson, Travis [<mailto:Johnson.Travis@epa.gov>]

Sent: Wednesday, June 18, 2014 1:54 PM

To: Marie Mercado

Cc: JOHNSON, Greg

Subject: FW: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Marie,

I have checked annual heat inputs that Greg Johnson provided for Bayou Cogeneration Plant (see below), Unit CG801 and they are correct.

The data doesn't appear in the EPA database due to an unrelated critical 1 error which prohibits use from quality assuring the data. So there is a possibility that the data may change after resolution of the pending issue, but, generally speaking, I believe the heat inputs to be accurate.

Travis

From: JOHNSON, Greg [<mailto:Greg.Johnson@airliquide.com>]

Sent: Monday, June 09, 2014 2:19 PM

To: JOHNSON, Greg; Johnson, Travis

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Is this more like what you are looking for, basically the summary pulled off the data base.

From: JOHNSON, Greg

Sent: Monday, June 09, 2014 1:10 PM

To: 'Johnson, Travis'

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Travis, below is the information that came out of the database. I will forward you the confirmation sheets for the last upload for the 2013 year. Let me know if that is what you are looking for.

2011	2012	2013
7,693,329	6,540,158	7,006,990

From: Johnson, Travis [<mailto:Johnson.Travis@epa.gov>]

Sent: Monday, June 09, 2014 11:29 AM

To: JOHNSON, Greg

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Greg,

What heat input do you calculate for 2011-2013? Can you email me the quarterly emission xml files and I'll check the annual heat inputs?

Thanks,

Travis

Marie Mercado

From: Johnson, Travis <Johnson.Travis@epa.gov>
Sent: Thursday, June 26, 2014 2:37 PM
To: Marie Mercado
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations
Attachments: Heat Input CEMS_Summary_Export 2011 - 2013 10298.xlsx

Oh, sorry.

	Number of Op. Hours	Total Op. Time (hrs)	Load	Sum of Rpt. HI (mmBtu)
2013 QTR 1 Total	2143	2,140	141,709	2,018,462
2013 QTR 2 Total	2059	2,045	108,354	1,535,628
2013 QTR 3 Total	2200	2,195	125,833	1,811,672
2013 QTR 4 Total	1974	1,972	114,766	1,641,228
2013 Cumulative Total*	8376	8,352	490,662	7,006,989
2013 Ozone Season Total*	3651	3,637	205,155	2,938,675
2012 QTR 1 Total	1885	1,881	121,722	1,731,242
2012 QTR 2 Total	2157	2,156	134,913	2,001,802
2012 QTR 3 Total	1709	1,705	102,285	1,479,458
2012 QTR 4 Total	1559	1,557	93,909	1,327,656
2012 Cumulative Total*	7310	7,299	452,829	6,540,157
2012 Ozone Season Total*	3146	3,141	192,951	2,837,188
2011 QTR 1 Total	2160	2,160	138,320	2,067,466
2011 QTR 2 Total	2182	2,180	126,514	1,958,507
2011 QTR 3 Total	2167	2,166	124,729	1,884,535
2011 QTR 4 Total	1982	1,980	122,589	1,782,821
2011 Cumulative Total*	8491	8,486	512,152	7,693,329
2011 Ozone Season Total*	3631	3,630	206,821	3,171,078

From: Marie Mercado [mailto:Marie.Mercado@tceq.texas.gov]
Sent: Thursday, June 26, 2014 1:59 PM
To: Johnson, Travis
Cc: JOHNSON, Greg
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Thank you. Will you please provide the data for 2011 also?

From: Johnson, Travis [mailto:Johnson.Travis@epa.gov]
Sent: Wednesday, June 18, 2014 1:54 PM
To: Marie Mercado
Cc: JOHNSON, Greg

Subject: FW: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Marie,

I have checked annual heat inputs that Greg Johnson provided for Bayou Cogeneration Plant (see below), Unit CG801 and they are correct.

The data doesn't appear in the EPA database due to an unrelated critical 1 error which prohibits use from quality assuring the data. So there is a possibility that the data may change after resolution of the pending issue, but, generally speaking, I believe the heat inputs to be accurate.

Travis

From: JOHNSON, Greg [<mailto:Greg.Johnson@airliquide.com>]

Sent: Monday, June 09, 2014 2:19 PM

To: JOHNSON, Greg; Johnson, Travis

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Is this more like what you are looking for, basically the summary pulled off the data base.

From: JOHNSON, Greg

Sent: Monday, June 09, 2014 1:10 PM

To: 'Johnson, Travis'

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Travis, below is the information that came out of the database. I will forward you the confirmation sheets for the last upload for the 2013 year. Let me know if that is what you are looking for.

2011	2012	2013
7,693,329	6,540,158	7,006,990

From: Johnson, Travis [<mailto:Johnson.Travis@epa.gov>]

Sent: Monday, June 09, 2014 11:29 AM

To: JOHNSON, Greg

Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Greg,

What heat input do you calculate for 2011-2013? Can you email me the quarterly emission xml files and I'll check the annual heat inputs?

Thanks,
Travis

	Number of Op. Hours	Total Op. Time (hrs)	Load	Sum of Rpt. HI (mmBtu)
2013 QTR 1 Total	2143	2,140	141,709	2,018,462
2013 QTR 2 Total	2059	2,045	108,354	1,535,628
2013 QTR 3 Total	2200	2,195	125,833	1,811,672
2013 QTR 4 Total	1974	1,972	114,766	1,641,228
2013 Cumulative Total*	8376	8,352	490,662	7,006,989
2013 Ozone Season Total*	3651	3,637	205,155	2,938,675
2012 QTR 1 Total	1885	1,881	121,722	1,731,242
2012 QTR 2 Total	2157	2,156	134,913	2,001,802
2012 QTR 3 Total	1709	1,705	102,285	1,479,458
2012 QTR 4 Total	1559	1,557	93,909	1,327,656
2012 Cumulative Total*	7310	7,299	452,829	6,540,157
2012 Ozone Season Total*	3146	3,141	192,951	2,837,188
2011 QTR 1 Total	2160	2,160	138,320	2,067,466
2011 QTR 2 Total	2182	2,180	126,514	1,958,507
2011 QTR 3 Total	2167	2,166	124,729	1,884,535
2011 QTR 4 Total	1982	1,980	122,589	1,782,821
2011 Cumulative Total*	8491	8,486	512,152	7,693,329
2011 Ozone Season Total*	3631	3,630	206,821	3,171,078

Marie Mercado

From: Johnson, Travis <Johnson.Travis@epa.gov>
Sent: Wednesday, June 18, 2014 1:54 PM
To: Marie Mercado
Cc: JOHNSON, Greg
Subject: FW: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations
Attachments: GT1 2012 - 2013 Quarterly Summary.csv

Hi Marie,

I have checked annual heat inputs that Greg Johnson provided for Bayou Cogeneration Plant (see below), Unit CG801 and they are correct.

The data doesn't appear in the EPA database due to an unrelated critical 1 error which prohibits use from quality assuring the data. So there is a possibility that the data may change after resolution of the pending issue, but, generally speaking, I believe the heat inputs to be accurate.

Travis

From: JOHNSON, Greg [<mailto:Greg.Johnson@airliquide.com>]
Sent: Monday, June 09, 2014 2:19 PM
To: JOHNSON, Greg; Johnson, Travis
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Is this more like what you are looking for, basically the summary pulled off the data base.

From: JOHNSON, Greg
Sent: Monday, June 09, 2014 1:10 PM
To: 'Johnson, Travis'
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Travis, below is the information that came out of the database. I will forward you the confirmation sheets for the last upload for the 2013 year. Let me know if that is what you are looking for.

2011	2012	2013
7,693,329	6,540,158	7,006,990

From: Johnson, Travis [<mailto:Johnson.Travis@epa.gov>]
Sent: Monday, June 09, 2014 11:29 AM
To: JOHNSON, Greg
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Hi Greg,

What heat input do you calculate for 2011-2013? Can you email me the quarterly emission xml files and I'll check the annual heat inputs?

Thanks,
Travis

Reporting Period	Value	No. of Op. Hours	Op. Time (hrs)	Heat Input (mmBtu)	NOx Mass (tons)
2012 QTR 1	Quarterly Reported	1885	1880.73	1731242	27.2
	Quarterly Calculated	1885	1880.73	1731242	27.2
	Year To Date Reported	1885	1880.73	1731242	27.2
	Year to Date Calculated	1885	1880.73	1731242	27.2
	Ozone Season Reported				
	Ozone Season Calculated				
2012 QTR 2	Quarterly Reported	2157	2155.66	2001802	28.8
	Quarterly Calculated	2157	2155.66	2001802	28.8
	Year To Date Reported	4042	4036.39	3733044	56
	Year to Date Calculated	4042	4036.39	3733044	56
	Ozone Season Reported				
	Ozone Season Calculated				
2012 QTR 3	Quarterly Reported	1709	1705.49	1479458	19.9
	Quarterly Calculated	1709	1705.49	1479458	19.9
	Year To Date Reported	5751	5741.88	5212502	75.9
	Year to Date Calculated	5751	5741.88	5212502	75.9
	Ozone Season Reported				
	Ozone Season Calculated				
2012 QTR 4	Quarterly Reported	1559	1557.37	1327656	22.2
	Quarterly Calculated	1559	1557.37	1327656	22.2
	Year To Date Reported	7710	7299.25	6540158	98.1
	Year to Date Calculated	7310	7299.25	6540158	98.1
	Ozone Season Reported				
	Ozone Season Calculated				
2013 QTR 1	Quarterly Reported	2143	2140.31	2018462	41.4
	Quarterly Calculated	2143	2140.31	2018462	41.4
	Year To Date Reported	2143	2140.31	2018462	41.4
	Year to Date Calculated	2143	2140.31	2018462	41.4
	Ozone Season Reported				
	Ozone Season Calculated				
2013 QTR 2	Quarterly Reported	2059	2045.32	1535628	29.1
	Quarterly Calculated	2059	2045.32	1535628	29.1
	Year To Date Reported	4202	4185.63	3554090	70.5
	Year to Date Calculated	4202	4185.63	3554090	70.5
	Ozone Season Reported				
	Ozone Season Calculated				
2013 QTR 3	Quarterly Reported	2200	2194.73	1811672	32.6
	Quarterly Calculated	2200	2194.73	1811672	32.6
	Year To Date Reported	6402	6380.36	5365762	103.1
	Year to Date Calculated	6402	6380.36	5365762	103.1
	Ozone Season Reported				
	Ozone Season Calculated				
2013 QTR 4	Quarterly Reported	1974	1971.84	1641228	35.6
	Quarterly Calculated	1974	1971.84	1641228	35.6

Year To Date Reported	8376	8352.2	7006990	138.7
Year to Date Calculated	8376	8352.2	7006990	138.7
Ozone Season Reported				
Ozone Season Calculated				

Marie Mercado

From: JOHNSON, Greg <Greg.Johnson@airliquide.com>
Sent: Friday, May 23, 2014 2:09 PM
To: Marie Mercado
Cc: KALAPPA, Aswath
Subject: RE: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Follow Up Flag: Follow up
Flag Status: Flagged

Marie, for Bayou Cogeneration Plant CG-801, there are no MMBtu values given for 2011 – 2013. The following table has the data for CG-801.

2011	2012	2013
7,693,329	6,540,158	7,006,990

Thanks

Greg Johnson
HSE Specialist
Air Liquide Bayport Complex
11777 Bay Area Blvd.
Pasadena, TX 77507
281-474-8337

5/27/14:
Spoke w/ Mr. Johnson.
He will contact EPA to
see if values are acceptable
to EPA & if they can include
in EPA website. He gets
error message when he enters
it to their site.
Mari

From: Marie Mercado [mailto:Marie.Mercado@tceq.texas.gov]
Sent: Friday, May 23, 2014 12:53 PM
To: agomez@brownsville-pub.com; andy.ramirez@epelectric.com; anthony.ligato@calpine.com; becky.s.pietras@usa.dupont.com; ben.carmine@nrgenergy.com; bill.kelly@calpine.com; bill.tyus@gdfsuezna.com; cawthomr@airproducts.com; chris.simpson@calenergy.com; cmhobson-DR@southernco.com; craig.eckberg@nrgenergy.com; crh@portofplpc.com; bstout@beabblackhawk.com; daniel.inemer@exeloncorp.com; darin.l.fields@p66.com; darren.a.swisher@exxonmobil.com; David.Low@xcelenergy.com; david.m.gorsich@exxonmobil.com; david.mcdonald@calpine.com; Dean.Metcalf@xcelenergy.com; dean.thrall@calpine.com; djrachels@eastman.com; dnitschke@pandashermantx.com; doug.fritsch@lcra.org; eddh@gtpower.com; edward.lesh@constellation.com; ESENAC@entergy.com; etoufar@pandatempletx.com; fabian.camacho@fpl.com; gary.kowalczyk@fpl.com; gclark@camstex.com; glenn.smylie@calenergy.com; gmiller@btutilities.com; greg.basinger@lonestargen.com; JOHNSON, Greg; greg.mach@gdfsuezna.com; grticken@cpsenergy.com; gscienski@lspower.com; gzheng@lpandl.com; james.d.deloney@conocophillips.com; jamie.sayle@optimenergy.com; janh@texasmpa.org; japackard@stec.org; jason.jin@aes.com; MILLER, Jason; jchendricks@aep.com; jeffery.callahan@calpine.com; jerome.svatek@lonestargen.com; jeutizi@smeci.net; jgrider@geus.org; jimmy.havins@lcra.org; jkanive@wayzpartners.com; jmeriwether@gpltxas.org; jmmcmamus@aep.com; john.hambrick@exeloncorp.com; John.Stuart@gdfsuezna.com; John.Tissue@exeloncorp.com; john-r-bobby.laughlin@usa.dupont.com; jpippin@gsec.coop; jwalsh@wayzpartners.com; jwbrough@marathonpetroleum.com; kathleen.garrett@austinenergy.com; kbabb@texasmpa.org; kenny.draper@gdfsuezna.com; kent.dawson@lcra.org; kfletcher@ppmsllc.com; kfrench@lspower.com; kourpadt@airproducts.com; krstoker@cpsenergy.com; kurt.wiedenfeld@gdfsuezna.com; kwarren@geus.org; lcarlson@tenaska.com; majohnson@calpine.com; mark.adams@directenergy.com; mark.vest@lonestargen.com; MBurr@gpltxas.org; mglover@entergy.com; mhering@btutilities.com; mike.coffman@gdfsuezna.com; mike.knisley@gdfsuezna.com; mkadon@pandashermantx.com; mkezar@smeci.net; mlindsey@camstex.com;

mmeyers@brazoselectric.com; monte.gottier@lcra.org; mshepherd@tpmlp.com; mwolske@ppmsllc.com; nduperron@topazpowergroup.com; neal.coffey@gdfsuezna.com; nrain@cpv.com; patrickb@calpine.com; randall.snyder@nexteraenergy.com; ravi.joseph@austinenergy.com; RBakondy@camstex.com; rcapistrian@brownsville-pub.com; rfederw1@luminant.com; rlatham@calpine.com; robert.stevens@gdfsuezna.com; roberto.lira@directenergy.com; rodney.kapavik@gdfsuezna.com; roger.chacon@epelectric.com; ronald.reynolds@gdfsuezna.com; rpopejoy@gsec.coop; rsanchez@odessapower.com; ryant@gtpower.com; sam.weaver@calpine.com; sbottelbergh@marathonpetroleum.com; scomenskyADR@southernco.com; scott.mcgillicuddy@calpine.com; scott.parker@calpine.com; shausman@pandatempletx.com; steve.horn@luminant.com; steven.bates@gdfsuezna.com; szant@brazoselectric.com; thevrin@camstex.com; thomas.callaghan@lonestargen.com; tjonas@tenaska.com; wayne.whitehead@nrgenergy.com; wgrnwldt@eastman.com; wwalker@calpine.com; khuyen.nguyen@nrgenergy.com; 'liz.kashi@nrgenergy.com'

Cc: Lindley Anderson; Brandon Greulich

Subject: Review and Respond by June 23, 2014: CAIR, EPA Data Verification for 2018 through 2022 General Pool Allocations

Importance: High

This message is being sent to all Texas Clean Air Interstate Rule (CAIR) designated representatives and alternates with e-mail addresses listed with the United States Environmental Protection Agency's Air Markets Program:

This e-mail is specifically for sites with electric generating units (EGU) that are expecting to receive 2018 through 2022 CAIR general pool allocations. Review and respond by June 23, 2014.

Please review, verify, and provide all information in the tables associated with your facilities. The tables are provided as follows in the pdf:

Page 1 through Page 4: 30 TAC §101.506(a)(2) - Baseline Heat Inputs for Units Commencing Operation Before 2001

- Verify data. If EPA data is wrong, please provide correct data and explain why it is incorrect. Note that we cannot allocate on heat input data higher than what was reported to EPA.

Page 5 through Page 6: Units Commencing Operation before 2001, but did not Operate in 2009 through 2013

- If the facility is listed on pages 5 and 6, they will not receive allocations.

Page 7 through Page 8: 30 TAC §101.506(b)(3)(A) - Baseline Heat Inputs for Units Commencing Operation in or after 2001*

- Verify data. If EPA data is wrong, please provide correct data and explain why it is incorrect. Note that we cannot allocate on gross electrical output data higher than what was reported to EPA.

Page 9: 30 TAC §101.506(b)(3)(C) - Baseline Heat Inputs for Units Commencing Operation in or after 2001*

- Verify data and provide missing data (example: steam data). If EPA data is incorrect, please provide correct data and explain why it is wrong. Note that we cannot allocate on data higher than what was reported to EPA.

Page 10: Units Commencing Operation in or after 2001 submitting a Form CNA-1 by May 1, 2014*

- We have only received the applications for facilities highlighted in yellow. **If we have not received your application it is late. Please submit as soon as possible.**

NOTE: 2013 data was preliminary according to EPA's Air Markets Program Data website for all facilities at the time that this data was pulled. Please provide complete data, as appropriate. This data will be verified with EPA's data.

If you have questions or comments, please contact me by phone at (512) 239-2054 or by e-mail at Marie.Mercado@tceq.texas.gov. Please include "CAIR, EPA Data Verification" in the e-mail subject line.

Thanks,

Marie Mercado, P.E.

Engineer II

Texas Commission on Environmental Quality
Emissions Trading and Banking Program, MC-206
Office of Air, Air Quality Division
PO BOX 13087
Austin, Texas 78711-3087
512.239.2054 (Direct)
512.239.6188
Marie.Mercado@tceq.texas.gov