Brian Lusher

From: John_Lague@URSCorp.com
Sent: Monday, February 22, 2010 4:31 PM
To: Brian Lusher
Cc: peter.landreth@mirant.com; Nathalia_Prasetyo_Jo@URSCorp.com
Subject: RE: answers to your questions

Hi, Brian

Here is a data sheet provided by Siemens. Turbine performance data for ISO conditions are shown on the last page under Case 10. As indicated there, the gross heat rate for this condition is
9,050 Btu/kw-hr (LHV), and the gross turbine efficiency, as calculated by the same method we used in the data we sent last week (power output divided by fuel heat input rate) is 37.8%. Please let me know if you need anything else.

Regards - jsl

(See attached file: MLGS heat rates.pdf)

John Lague
Senior Air Quality Consultant
URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, California 92108
Direct Line (619) 243-2823
Fax: (619) 293-7920

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

"Brian Lusher" <blusher@baaqmd.gov>

"Brian Lusher" <blusher@baaqmd.gov>
02/22/2010 09:15 AM

To<John_Lague@URSCorp.com>
cc
SubjectRE: answers to your questions

John,

Do you have efficiency and heat rate at ISO conditions?

Thanks,

Brian Lusher

-----Original Message-----
From: John_Lague@URSCorp.com [mailto:John_Lague@URSCorp.com]
Sent: Saturday, February 20, 2010 7:47 PM

To: Brian Lusher
Cc: chuck.hicklin@mirant.com; peter.landreth@mirant.com
Subject: Fw: answers to your questions

Brian:: The attached file shows the heat rate data that were provided in the September 2009 amendment to the MLGS ATC application (figure 2-2), as well as calculated turbine efficiencies for a range of ambient conditions. Note that these calculations are based on LHV heat rates and gross plant output (not accounting for in-plant power usage). Let me know if you need something different for your purposes.

Regards - jsl

(See attached file: MLGS Efficiency.xls)

John Lague
Senior Air Quality Consultant
URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, California 92108
Direct Line (619) 243-2823
Fax: (619) 293-7920

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.