

Exhibit No.:
Issue: Trigen services to Jackson County
owned or operated buildings and
grounds
Witness: Derrall A. Benzinger
Type of Exhibit: Direct Testimony
Sponsoring Party: Jackson County, Missouri
Case No.: HR-2008-0300
Date Testimony Prepared: August 1, 2008

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO.: HR-2008-0300

DIRECT TESTIMONY

OF

DERRALL A. BENZINGER

ON BEHALF OF

JACKSON COUNTY, MISSOURI

**Kansas City, Missouri
August 1, 2008**

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Trigen-Kansas City Energy)
Corporation's Tariffs to Increase Rates for) Case No. HR-2008-0300
Customers of its Steam Service)

AFFIDAVIT OF DERRALL A. BENZINGER

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

DERRALL A. BENZINGER, being first duly sworn on his oath, states:

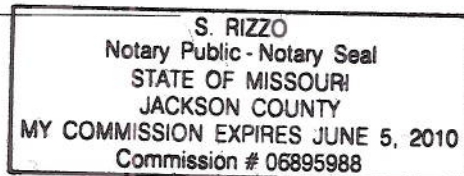
1. My name is Derrall A. Benzinger. I am an Operating Engineer in the Jackson County Department of Public Works, Facilities Management Division.
2. Attached hereto and made a part hereof for all purposes is my Direct Testimony on behalf of Jackson County, Missouri having been prepared in written form for introduction into evidence in the above-captioned docket.
3. I have knowledge of the matters set forth therein. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded, including any attachments thereto, are true and accurate to the best of my knowledge, information and belief.


DERRALL A. BENZINGER

Subscribed and sworn before me this 1st day of August, 2008.


Notary Public

My commission expires: _____



DIRECT TESTIMONY
OF
DERRALL A. BENZINGER
Case No. HR-2008-0300

1 **Q: Please state your name and business address.**

2 A: My name is Derrall A. Benzinger. My office is located in the Jackson County
3 Courthouse, 415 East 12th Street, Kansas City, Missouri 64106.

4 **Q: By whom and in what capacity are you employed?**

5 A: I am employed by Jackson County (the County) as an Operating Engineer in the Jackson
6 County Department of Public Works, Facilities Management Division.

7 **Q: What are your responsibilities?**

8 A: I have direct responsibility for the heating and air conditioning systems for the Jackson
9 County Courthouse and the County's Community Justice Center. Mr. David Zachery,
10 who is also a County Operating Engineer, has similar responsibilities for the HVAC
11 systems for the Criminal Justice Building and the Jackson County Jail. Both of us are
12 familiar with these buildings and the heating and cooling systems installed.

13
14 As an Operating Engineer I plan and coordinate operations, maintenance and repair
15 activities for these systems with other county employees and vendors. I am also
16 responsible for emergency maintenance support of the systems and compliance with
17 operating procedures and policies.

18 **Q: Please describe your education, experience and employment history.**

1 A: After graduation from high school I took technical training in heating and air
2 conditioning systems as part of my union membership and also through classes sponsored
3 by Johnson Controls, which has been a vendor of heating and air conditioning equipment
4 for the County. I have also been certified in this and several related fields. I have
5 obtained certificates from the Kansas City Vocational Education Center in Basic
6 Refrigeration (1985); Advanced Refrigeration (1986); Analyzing and Repairing HVAC
7 Systems (1986); General Engineering (1987); Instrumentation and Controls (1988) and
8 Electrical Maintenance (1989). I am licensed with the City of Kansas City as an
9 operating engineer, license number 073152.

10
11 When I moved to Kansas City in 1983 I worked for Magnum Controls as a field
12 representative in the management and repair of HVAC equipment. In 1986 I accepted a
13 position as an operating engineer with the County but my responsibilities were primarily
14 at the County's jail facility. In 1988 my responsibilities were shifted to what I am doing
15 now.

16 **Q: Have you previously testified in a proceeding at the Missouri Public Service**
17 **Commission?**

18 A: No, I have not.

19 **Q: What is the purpose of your testimony?**

20 A: The purpose of my testimony is to describe the services provided by Trigen-Kansas City
21 Energy Corporation (Trigen) to various facilities owned or controlled by the County. I
22 will also describe how Trigen steam service is used by the County. Finally, I will give
23 the Commission a break down of what the City has paid Trigen for steam services for

1 several years. It is my understanding that this information has not been presented to the
2 Commission before and it is offered by the County to assist the Commission in rendering
3 a decision in this matter.

4 **Q: What services does Trigen provide to the County?**

5 A. Trigen provides steam and chilled water services to the County. The steam is used for
6 heating and for domestic hot water and the chilled water is used for cooling requirements.

7 **Q. What County facilities are served by Trigen?**

8 A. Trigen provides steam service to the Jackson County Courthouse, the Community Justice
9 Center located at 1305 Locust, the Criminal Justice Building located at 1315 Locust, and
10 the Jackson County Jail facility which faces Cherry Street at the corner of 13th and
11 Cherry.

12 **Q Please explain how service is provided for these buildings?**

13 A. In general, Trigen delivers steam to each of the facilities at a certain pressure. The
14 County takes delivery of that steam at a reducing station located in each facility, perhaps
15 with the exception of the jail. From the reducing station, the County takes responsibility
16 for distribution of the steam throughout the buildings. There is no joint ownership of the
17 piping or other apparatus used by the County on the reducing station side of the system.
18 The County owns all the pipes in the building and owns the air handlers, radiators and
19 associated valves and fittings. The County has also installed a Johnson Controls
20 “Metasys” operational control system which is the central control for environmental
21 comfort in the Jail and the courthouse. The Community Justice Center has a device like
22 the “Metasys” but it is not a Johnson Controls product and is very limited in what it can
23 do.

1 **Q. What are the County's annual costs for steam service to these facilities?**

2 A. In connection with my testimony I contacted the Office Administrator for Public Works
3 facilities management. According to her, the 2007 annual cost to the County for Trigen
4 steam service to County facilities was \$465,161.17.

5
6 I have also attached DAB Schedule 1 which illustrates the County's 2007 costs for Trigen
7 steam service. This schedule breaks down those costs per building.

8 **Q. Have you calculated the effect on the County's budget if Trigen's rate increase**
9 **request is approved?**

10 A. No, my understanding is that this has not yet been calculated. The effect which Trigen's
11 rate increase will have on the County will depend on the approved rate design and in that
12 regard the County, in conjunction with the City of Kansas City, another Trigen customer,
13 has retained a consultant to provide expert advice on the impact this case should have on
14 both.

15 **Q Do you anticipate that the County will have other facilities it will connect to Trigen**
16 **steam service?**

17 A. Yes. As part of the remodeling of the Criminal Justice Center and Jackson County
18 Courthouse upper floors we are anticipating adding more steam service. These are
19 capital improvement projects still under consideration and they have not been budgeted.
20 Therefore, no time frame for completion has been determined.

21 **Q: Does this conclude your direct testimony?**

22 A: Yes, it does.

TRIGEN 2007

ENERGY/STEAM

1331 LOCUST Jail - Jail Annex	Current	Useage MLB of Consumption
JAN.	10,416.96	863
FEB.	10,055.40	774
MARCH	9,246.96	575
APRIL	8,868.20	482
MAY	7,991.65	266
JUNE	7,951.02	256
JULY	7,898.21	243
AUG.	7,768.21	211
SEPT.	7,800.71	219
OCT.	8,280.08	337
NOV.	9,149.46	551
DEC.	10,355.09	848
TOTAL	\$ 105,781.95	
monthly avg	\$ 8,815.16	

415 E. 12TH County Courthouse	Current	Useage MLB of Consumption
JAN.	16,656.07	2,591
FEB.	15,315.45	2,261
MARCH	11,610.45	1,349
APRIL	11,694.58	1,370
MAY	8,652.95	621
JUNE	6,369.82	59
JULY	6,536.39	100
AUG.	6,304.82	43
SEPT.	6,430.76	74
OCT.	9,107.95	733
NOV.	11,829.82	1,403
DEC.	16,114.56	2,458
TOTAL	\$ 126,623.62	
monthly avg	\$ 10,551.97	

1305 LOCUST Community Justice Building	Current	Useage MLB of Consumption
JAN.	3,354.13	345
FEB.	3,488.19	378
MARCH - estimate	1,952.00	125
APRIL - estimate	1,952.00	
MAY	1,952.56	1
JUNE	1,952.56	-
JULY	1,952.56	-
AUG.	1,952.56	-
SEPT.	1,952.56	
OCT.	2,265.38	77
NOV.	2,557.88	149
DEC.	3,305.10	333
TOTAL	\$ 28,637.48	
monthly avg	\$ 2,386.46	

1307 LOCUST Community Justice Building	Current	Useage MLB of Consumption
JAN.	22,230.45	2,235
FEB.	20,312.95	1,763
MARCH	17,615.45	1,099
APRIL	16,715.86	878
MAY	15,043.89	466
JUNE	14,922.01	436
JULY	14,917.95	435
AUG.	14,800.14	406
SEPT.	14,576.70	351
OCT.	15,401.39	554
NOV.	17,343.26	1,032
DEC.	20,238.07	1,745
TOTAL	\$ 204,118.12	
monthly avg	\$ 17,009.84	