



Frankfort Plant Board

Water
Cable
Electric
Security
Local Phone
Digital Cable
Long Distance
Community TV
Ethernet/Internet
Cable Modem/ISP
Cable Advertising

September 17, 2014

Mr. Jeff Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602-0615

RECEIVED

SEP 17 2014

PUBLIC SERVICE
COMMISSION

RE: Case No. 2014-00254

Dear Mr. Derouen:

Enclosed for filing please find an original and six (6) copies of the Supplemental Response to the Attorney General's Initial Data Requests Number 24. I had included the attachment, but did not include the explanation. I apologize for the oversight.

I appreciate your assistance. If you have any questions or require additional information, please contact me at (502) 352-4541 or hprice@fewpb.com.

Sincerely,

Hance Price

Hance Price
Staff Attorney

HP/kp

Enclosures

cc: Donald T. Prather, Esq.
Raymond Edelman, Esq.
Jennifer Black Hans, Esq.
Gregory T. Dutton, Esq.

Equal Opportunity/Affirmative Action Employer

317 West Second Street (P.O. Box 308) Frankfort, Kentucky 40602 Phone (502) 352-4372
Fax (502) 223-3887 www.fpb.cc

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

SEP 17 2014

In the Matter of:

PUBLIC SERVICE
COMMISSION

PROPOSED ADJUSTMENT OF THE WHOLESALE)
WATER SERVICE RATES OF FRANKFORT) CASE NO. 2014-00254
ELECTRIC AND WATER PLANT BOARD)

**FEWPB'S SUPPLEMENTAL RESPONSE TO ATTORNEY GENERAL'S INITIAL
DATA REQUESTS**

24. Reference: Cost of Service Study, Sch. C, p. 4. How was it determined that the maximum fire demand is 5,000 gallons per minute for a duration of four hours? Please provide any associated calculations, studies, and workpapers with data in all cells and rows fully intact and fully accessible.

Witness(es): Paul R. Herbert, Connie Heppenstall

Response: The formula for general fire-fighting requirements, based on population established by the National Board of Fire Underwriters, is as follows:

For Populations of 200,000 or less: $Q = 1020 \sqrt{P (1-0.01\sqrt{P})}$, where Q is the fire demand in gpm and P is the population in thousands. With the population of Frankfort's service area of approximately 40,000, the maximum fire flow of 6,000 gpm would apply. Since the Frankfort service area has little industrial load, the estimate was reduced to 5,000 gpm.

For the estimated duration required, attached is the grading schedule for municipal water systems that shows the required duration based on the required fire

flow. For 5,000 gallons per minute, the duration is 5 hours. This was reduced to 4 hours to reflect the light industrial load in the Frankfort service area.

CERTIFICATION

I, Hance Price, certify that I am the attorney supervising the preparation of these Responses on behalf of the Frankfort Electric and Water Plant Board and that the Responses and attachments thereto are true and accurate to the best of my knowledge, information and belief formed after reasonable inquiry.

Respectfully Submitted,

Hance Price

Hance Price
317 West Second Street
Frankfort, Kentucky 40601

Attorney for Frankfort Electric and
Water Plant Board

This the 17th day of September, 2014.

CERTIFICATE OF SERVICE

I, Hance Price, certify that on the 17th day of September, 2014 an original and six (6) copies of FEWPB's Supplemental Response to the Attorney General's Initial Data Requests dated August 19, 2014 was served by hand delivery to:

Mr. Jeff Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602-0615

Counsel further certifies that true and accurate copies of the Supplemental Response were served by mail to:

Kentucky Attorney General's Office
Hon. Jennifer Black Hans
Hon. Gregory T. Dutton
Assistant Attorneys General
1024 Capital Center Drive
Suite 200
Frankfort, KY 40601

Hon. Donald T. Prather
500 Main Street, Suite 5
Shelbyville, KY 40065

Hon. Raymond Edelman
148 South Main Street
Lawrenceburg, KY 40342

Hance Price

Hance Price