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Kansas Corporation Commission
/S/ Susan K. Duffy
STATE CORPORATION COMMISSION

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

AUG 0 8 2008

Susan Talandan Docket Room

In the Matter of a General Investigation Into Incentives for Fuel Switching.

Docket No. 09-GIMX-160-GIV

STAFF'S MOTION TO OPEN A GENERIC INVESTIGATION INTO A POLICY ON INCENTIVES FOR FUEL-SWITCHING

COMES NOW the Staff of the State Corporation Commission of the State of Kansas and moves the Commission for an order opening a generic docket to consider the development of a policy regarding incentives for fuel-switching for end-use applications. In support of this Motion, Staff states:

- 1. The issue of whether it is appropriate to offer incentives to encourage consumers to engage in fuel-switching behavior was raised in comments filed in Docket No. 08-GIMX-442-GIV.¹ On June 3, 2008, the Commission determined it would open a new docket to review this policy issue within 90 days.² While the issue was raised in a docket concerning energy efficiency issues, the concerns related to fuel-switching are more general.
- 2. In response to this directive, Staff files this motion and the attached Memorandum (Attachment "A"). In its Memorandum Staff explains the discussions regarding fuel-switching that have been held over the years in various forums: 1) fuel-switching policy has been raised in

¹ [Kansas Gas Service] Reply Comments for the Workshop, Docket No. 08-GIMX-442-GIV, April 16, 2008; and, Reply Comments of Kansas City Power & Light Company on KCC Energy Efficiency Workshop, Docket No. 08-GIMX-442-GIV, April 16, 2008...

² Order Setting Energy Efficiency Policy Goals, Determining a Benefit-Cost Test Framework, and Engaging a Collaborative Process to Develop Benefit-Cost Test Technical Matters and an Evaluation, Measurement, and Verification Scheme, Docket No. 08-GIMX-442-GIV, paragraph 31, June 3, 2008

the context of energy efficiency programs; and 2) fuel switching policy has been a concern in discussions if renewable energy, the environment, and use of limited resources.

- 3. Staff cannot find evidence that the National Association of Regulatory Utility Commissioners (NARUC) has taken a position on this issue. Fuel-switching is mentioned in a 2003 Resolution on state commission responses to high prices in the natural gas market and its limited supply, yet the resolution focuses on energy efficiency/conservation efforts for all sources of energy³.
- 4. The National Regulatory Research Institute (NRRI) has not published a report on this subject, but does list it as a "research project in search of a researcher[]" and notes that state commissions must determine whether they should encourage fuel-switching for direct applications, posing several questions for further research.
- 5. The Energy Trust of Oregon (Energy Trust), the entity charged by the Oregon Public Utility Commission (OPUC) with investing in cost-effective energy conservation in Oregon, has developed a policy on fuel-switching and has determined that it "... should not advocate fuel-switching, but may provide fuel neutral technical information on efficiency options ... However, the Energy Trust should not provide financial incentives for converting or replacing electric or gas equipment to another fuel."
- 6. Staff located a relevant discussion of fuel-switching policy by the Northwest Power and Conservation Council (NPC).⁶ The NPC Council lays out its analysis in an issue paper dated July 17, 2007.⁷ At that time the NPC Council determined that consumers should

³ http://www.naruc.org/Resolutions/responses.pdf

⁴ http://nrri2.org/index.php?option=com_content&task=view&id=34&Itemid-51

⁵ http://www.energytrust.org/kibrary/policies/4.03.000-P.pdf

⁶ http://www.nwcouncil.org/library/releases/2001/0926.htm

http://www.nwcouncil.org/library/2001/2001-17.htm

make the decision to switch fuels based on information in the marketplace rather than through incentives provided by a utility.

- 7. The scope of this docket should be limited to the appropriateness of encouraging fuel-switching for end-use or direct use applications since this is the context in which the issue was raised. Staff has been unable to locate significant research on this topic from which to provide guidance to the Commission and, to assist the Commission in its review of the fuel-switching issue, Staff suggests the Commission requests interested parties comment on questions intended to gather additional information on fuel-switching.
- 8. Staff proposes the following questions be posed to interested parties using the research questions of NRRI and the work of the NPC Council as resources:
 - A. Is general research available regarding the costs and benefits of fuel-switching for end-use applications that can be provided for the Commission's review? If so, please elaborate and provide citations.
 - B. Is there research available which indicates the effect of fuel-switching for end-use applications on the environment, energy use and energy costs? If so, please elaborate and provide citations.
 - C. Is fuel-switching for end-use applications economical and beneficial to the environment? If so, what factors have made customers reluctant to switch fuel sources? What is the cost of removing these barriers? Should the Commission address these barriers? For instance, should pricing schemes be altered to enable customers to see the economic value of alternatives? Corollary: If fuel-switching is economical but <u>not</u> environmentally the best choice, what

factors have made customers switch fuel sources? How should the Commission respond?

- D. What is the cost of switching fuels for end-use applications?
- E. Under what conditions would it be appropriate for a utility to offer an incentive to switch fuels?
- F. How does the cost of increased efficiency for an end-use application within the same fuel source compare with the cost of converting to a new application with a differing fuel source that obtains equal or greater efficiency?
- G. Should natural gas and electric utilities be required to work together in their overlapping territories to promote the most efficient fuel for the end-use application?
- H. Should the Commission facilitate the coordination and flow of information between gas and electric utilities to promote efficient use of fuels or is there another organization that is more appropriate for this role?
- I. Are incentives offered by a utility to utilize its fuel for an end-use application simply a benefit of competition between two competing utilities in a territory where the gas and electric utility are not integrated? Should other ratepayers be required to subsidize this competition? Does the Commission have a regulatory obligation to protect a supplier of one type of energy commodity from competition from alternative types of energy? Does it make a difference if both suppliers are regulated by the Commission compared to one regulated and

one unregulated supplier? (Gas to electricity vs. gas to propane. Electricity to gas vs. electricity to solar.)

- J. If utilities should be required to promote the most economical or environmentally beneficial fuel, is the issue regarding lost revenue recovery any different than for energy efficiency programs in general?
- 9. Staff also suggests that the Commission request that parties provide any additional comments they believe will assist the Commission in its development of a policy on fuel-switching for end-use applications.
- address the development of a policy on incentives for fuel-switching as identified above and discussed more fully in Staff's Memorandum. Staff suggests the matter may be best handled in a generic proceeding so that electric and natural gas utilities, as well as all other interested parties, have an opportunity to fully participate. Staff proposes interested parties, including Staff, be provided an opportunity to file initial comments to the issues preliminarily identified in Commission's order opening the generic docket, and also on what precise issues should be addressed in the general investigation, within 30 days of the order opening the docket. Staff suggests the parties be given an opportunity to file reply comments within 60 days of the order opening the docket. Upon reviewing both the comments and reply comments, Staff recommends the Commission determine the issues and develop a procedure schedule appropriate for the issues and scope of the proceeding at that time.

WHEREFORE, Staff respectfully requests the Commission issue an order opening a generic investigation, and for any further relief the Commission deems just and appropriate.

Patrick T. Smith, #18275

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VERIFICATION

STATE OF KANSAS)
) ss
COUNTY OF SHAWNEE)

Patrick T. Smith, of lawful age, being duly sworn upon his oath deposes and states that he is Litigation Counsel for the Kansas Corporation Commission of the State of Kansas; that he has read and is familiar with the foregoing *Staff's Motion to Open a Generic Investigation into a Policy for Incentives for Fuel-Switching* and believes that the statements therein are true to the best of his knowledge, information and belief.

Patrick T. Smith Litigation Counsel

The State Corporation Commission

of the State of Kansas

SUBSCRIBED AND SWORN to before me this 8th day of August, 2008.

Notary Public- State of Kansas

Kimberly K. Davis

My Appt. Exp. 7-24-10

Notary Public

My Appointment Expires:

ATTACHMENT "A"



Kathleen Sebelius, Governor Thomas E. Wright, Chairman Michael C. Moffet, Commissioner Joseph F. Harkins, Commissioner

MEMORANDUM

To: Thomas E. Wright, Chairman

> Michael C. Moffet, Commissioner Joseph F. Harkins, Commissioner

From: Janet Buchanan

Date: July 30, 2008

Recommendation to open a docket to consider development of a policy on incentives for Re:

fuel-switching.

Date to Legal: 7/31/08
Date to Commissioners: 8/8/08

Executive Summary

Staff suggests the Commission open a docket to consider the development of a policy regarding incentives for fuel-switching for end-use applications. Staff proposes several questions for the Commission to utilize to solicit information from interested parties. Staff suggests that the Commission issue an order with these and any other relevant questions along with a schedule for filing comments.

Background

The issue of whether it is appropriate to offer incentives to encourage consumers to engage in fuel-switching behavior was raised in comments filed in Docket No. 08-GIMX-442-GIV. 1 Through an order issued in that docket on June 3, 2008, the Commission determined it would open a new docket to review this policy issue within 90 days.² While the issue was raised in a docket concerning energy efficiency issues, the concerns related to fuel-switching are more general.

¹ Docket No. 08-GIMX-442-GIV, [Kansas Gas Service] Reply Comments for the Workshop, April 16, 2008; and, Reply Comments of Kansas City Power & Light Company on KCC Energy Efficiency Workshop, April 16, 2008. ² In the Matter of a General Investigation Regarding Benefit-Cost Analysis and Program Evaluation for Energy Efficiency Programs, Docket No. 08-GIMX-442-GIV, Order Setting Energy Efficiency Policy Goals, Determining a Benefit-Cost Test Framework, and Engaging a Collaborative Process to Develop Benefit-Cost Test Technical Matters and an Evaluation, Measurement, and Verification Scheme, June 3, 2008, paragraph 31.

The fuel-switching concern has been discussed over the years in many forums. As mentioned, fuel-switching policy has been raised in the context of energy efficiency programs. It has also been a concern in discussions of renewable energy, the environment, and use of limited resources. Staff cannot find evidence that The National Association of Regulatory Utility Commissioners (NARUC) has taken a position on this issue. Fuel-switching is mentioned in a 2003 Resolution on state commission responses to high prices in the natural gas market and its limited supply; yet the resolution focuses on energy efficiency/conservation efforts for all sources of energy.³ The National Regulatory Research Institute (NRRI) has not published a report on this subject but does list it as a "research project in search of a researcher[]." NRRI notes that state commissions must determine whether they should encourage fuel-switching for direct applications and poses several questions for further research. The Energy Trust of Oregon (Energy Trust), the entity charged by the Oregon Public Utility Commission (OPUC) with investing in cost-effective energy conservation in Oregon, has developed a policy on fuelswitching. The Energy Trust has determined that it "... should not advocate fuel-switching, but may provide fuel neutral technical information on efficiency options. . . However, the Energy Trust should not provide financial incentives for converting or replacing electric or gas equipment to another fuel."5 Additionally, Staff located a relevant discussion of fuel-switching policy by the Northwest Power and Conservation Council (NPC Council).⁶ The NPC Council lays out its analysis in an issue paper dated July 17, 2001. At that time the NPC Council determined that consumers should make the decision to switch fuels based on information in the marketplace rather than through incentives provided by a utility.

Analysis/Recommendation

Staff suggests that the scope of this docket be limited to the appropriateness of encouraging fuel-switching for end-use or direct use applications since this is the context in which the issue was raised. Staff has been unable to locate significant research on this topic from which to provide guidance to the Commission. Thus, to assist the Commission in its review of the fuel-switching issue Staff suggests the Commission request interested parties comment on questions intended to gather additional information on fuel-switching. Staff proposes the following questions be posed to interested parties using the research questions of NRRI and the work of the NPC Council as resources.

- 1. Is general research available regarding the costs and benefits of fuel-switching for end-use applications that can be provided for the Commission's review? If so, please elaborate and provide citations.
- 2. Is there research available which indicates the effect of fuel-switching for end-use applications on the environment, energy use and energy costs? If so, please elaborate and provide citations.
- 3. Is fuel-switching for end-use applications economical and beneficial to the environment? If so, what factors have made customers reluctant to switch fuel sources? What is the cost of removing these barriers? Should the Commission

³ http://www.naruc.org/Resolutions/responses.pdf

http://nrri2.org/index.php?option=com content&task=view&id=34&Itemid=51

⁵ http://www.energytrust.org/library/policies/4.03.000-P.pdf

⁶ http://www.nwcouncil.org/library/releases/2001/0926.htm

⁷ http://www.nwcouncil.org/library/2001/2001-17.htm

address these barriers? For instance, should pricing schemes be altered to enable customers to see the economic value of alternatives? Corollary: If fuel-switching is economical but <u>not</u> environmentally the best choice, what factors have made customers switch fuel sources? How should the Commission respond?

- 4. What is the cost of switching fuels for end-use applications?
- 5. Under what conditions would it be appropriate for a utility to offer an incentive to switch fuels?
- 6. How does the cost of increased efficiency for an end-use application within the same fuel source for compare with the cost of converting to a new application with a differing fuel source that obtains equal or greater efficiency?
- 7. Should natural gas and electric utilities be required to work together in their overlapping territories to promote the most efficient fuel for the end-use application?
- 8. Should the Commission facilitate the coordination and flow of information between gas and electric utilities to promote efficient use of fuels or is there another organization that is more appropriate for this role?
- 9. Are incentives offered by a utility to utilize its fuel for an end-use application simply a benefit of competition between two competing utilities in a territory where the gas and electric utility are not integrated? Should other ratepayers be required to subsidize this competition? Does the Commission have a regulatory obligation to protect a supplier of one type of energy commodity from competition from alternative types of energy? Does it make a difference if both suppliers are regulated by the Commission compared to one regulated and one unregulated supplier? (Gas to electricity vs. gas to propane. Electricity to gas vs. electricity to solar.)
- 10. If utilities should be required to promote the most economical or environmentally beneficial fuel, is the issue regarding lost revenue recovery any different than for energy efficiency programs in general?

Staff also suggests that the Commission request that parties provide any additional comments they believe will assist the Commission in its development of a policy on fuel-switching for enduse applications. Staff suggests the Commission request comments be filed within 30 days of the order opening the docket and reply comments filed within 60 days.

I, the undersigned, hereby certify that a true and correct copy of the above and foregoing Staffs Motion to Open a Generic Investigation into a Policy on Incentives for Fuel-Switching was placed in the United States mail, postage prepaid, or hand-delivered this 8th day of August, 2008, to the following:

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