OCC EXHIBI	TNO.
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## BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of	)	
Vectren Energy Delivery of Ohio, Inc. for	)	Case No. 13-1571-GA-ALT
Approval of an Alternative Form of	)	
Regulation.	)	

#### DIRECT TESTIMONY OF BRUCE M. HAYES

On Behalf of The Office of the Ohio Consumers' Counsel

> 10 West Broad Street, Suite 1800 Columbus, Ohio 43215-3485

> > January 14, 2014

## **TABLE OF CONTENTS**

	TABLE OF CONTENTS	<b>PAGE</b>
I.	INTRODUCTION	1
II.	PURPOSE OF TESTIMONY	4
III.	DISCUSSION AND RECOMMENDATION	4
IV.	CONCLUSION	12

## **ATTACHMENTS**

Attachment BMH-A: Bruce M. Hayes - List of Cases in which Testimony was filed

Attachment BMH-B: Vectren's Response to OCC Interrogatory No. 77 Attachment BMH-C: Vectren's Response to OCC Interrogatory No. 76

## I. INTRODUCTION

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3	<i>Q1</i> .	PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND POSITION.
4	<i>A1</i> .	My name is Bruce M. Hayes. My business address is 10 West Broad Street, Suite
5		1800, Columbus, Ohio 43215-3485. I am employed by the Office of the Ohio
6		Consumers' Counsel ("OCC") as a Principal Regulatory Analyst.
7		
8	<i>Q2</i> .	PLEASE BRIEFLY SUMMARIZE YOUR EDUCATIONAL AND
9		PROFESSIONAL EXPERIENCE.
10	A2.	I graduated from the University of Kentucky in 1973 with a Bachelor of Science
11		in Mechanical Engineering. I joined Aetna Life and Casualty in 1973 and held
12		various positions related to Loss Control and Safety Engineering. In 1979, I
13		joined Columbia Gas of Kentucky ("CKY") as an Industrial Sales Engineer. I
14		transferred to Columbia Gas of Ohio ("Columbia") in 1986 and held a variety of
15		positions in economic development, marketing and sales. During my time at the
16		Columbia companies, I was actively involved in the development and
17		implementation of the industrial and commercial gas transportation programs. In
18		the early 1980s, I was involved in expanding CKY's transportation program from
19		a single self-help customer to over fifty industrial and large commercial
20		customers by initially establishing special contract interstate transportation

programs like the Fuel Oil Displacement and Special Marketing Programs.

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I was also involved in a customer issue regarding intrastate transportation and valuation of gas. Columbia modified its methodology so that valuation of gas occurred on British Thermal Units value rather than volume. This led to changes in transportation policies and billing in all the states in the Columbia Gas Distribution System. In the 1990s, I managed the Columbia rate flexing or rate discounting program for industrial customers. In that capacity, I arranged for long-term capacity release to large customers and arranged discounts on Columbia Gas Transmission interstate pipelines. I provided input to the transportation and gas supply departments on issues such as transportation contracts, curtailment, enhanced banking arrangements and electronic measurement for large volume customers. In 2002, I joined OCC as a Senior Regulatory Analyst and was promoted to Principal Regulatory Analyst in 2010. I represent OCC on the gas committee of The National Association of State Utility Consumer Advocates and have served as an Executive Committee member with the North American Energy Standards Board. I have participated in various Ohio Gas Cost Recovery Proceedings and Management/Performance Audits while at Columbia Gas of Ohio and as an analyst for the OCC. I have been involved in a number of rate cases and accelerated infrastructure replacement and recovery cases associated with the four largest investor owned gas companies in Ohio. I have also participated in number of external working groups related to gas transportation programs and external

1		working groups related to gas distribution companies moving toward exiting the
2		merchant function or eliminating the standard offer.
3		
4	<i>Q</i> 3.	WHAT ARE YOUR RESPONSIBILITIES AS A PRINCIPAL REGULATORY
5		ANALYST?
6	<i>A3</i> .	My duties include research, investigation and analysis of gas and electric filings at
7		the state and federal levels, participation in special projects, and assisting in
8		policy development and implementation. I am also the assigned leader of the
9		OCC gas team since June 1, 2008, and coordinate the activities of the members of
10		the agency's gas team.
11		
12	<i>Q4</i> .	HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY OR TESTIFIED
13		BEFORE THIS COMMISSION?
14	A4.	Yes. I have submitted testimony or testified on behalf of OCC before the Public
15		Utilities Commission of Ohio ("PUCO") in a number of cases involving gas or
16		electric companies. A list of these cases is included in Attachment BMH-A.

1	<i>Q5</i> .	HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE ANY
2		OTHER STATE REGULATORY COMMISSION?
3	A5.	Yes. I submitted testimony on behalf of CKY, before the Kentucky Public
4		Service Commission in Rate Case No. 8281. My testimony related to a long-
5		term decrease in the forecasted throughput for CKY.
6		
7	II.	PURPOSE OF TESTIMONY
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9	<i>Q6</i> .	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
10		PROCEEDING?
11	<i>A6</i> .	The purpose of my testimony is to recommend that the PUCO deny Vectren's
12		proposed Application for Approval of an Alternative Form of Regulation
13		("Application") requesting that its customers pay the Distribution Replacement
14		Rider ("DRR") for five additional years.
15		
16	III.	DISCUSSION AND RECOMMENDATION
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18	<i>Q7</i> .	PLEASE PROVIDE AN OVERVIEW OF VECTREN'S PROPOSAL THAT
19		ITS CUSTOMERS PAY THE DISTRIBUTION REPLACEMENT RIDER
20		FOR AN ADDITIONAL FIVE YEARS.
21	A7.	Vectren proposes to charge its customers—for an additional five years—for costs
22		associated with the following:

<sup>&</sup>lt;sup>1</sup> In the Matter of An Adjustment of Rates of Columbia Gas of Kentucky, Inc., Case No. 8281, Order (December 30, 1981).

1	• c	ontinued replacement/retirement of bare steel and cast iron
2	(	"BS/CI") mains and bare steel service lines, while
3	a	ccelerating the pace of replacement such that all targeted
4	p	ipe has been replaced by the end of 2023 (as compared to
5	t	ne current pace of replacement which targets completion by
6	t	ne end of 2028); <sup>2</sup>
7	• r	eplacement and retirement of ineffectively coated steel
8	i	nfrastructure; <sup>3</sup>
9	• r	eplacement and retirement of obsolete pipe and
10	a	ppurtenances and vintage plastic pipe when done in
11	c	onjunction with a BS/CI replacement project; <sup>4</sup>
12	• n	on-reimbursable portion of any projects that require the
13	r	eplacement, retirement, or relocation of existing
14	i	nfrastructure as a result of a public works project when a
15	n	najority of the infrastructure replaced is BS/CI;5 and
16		o the cost of continued assumption of responsibility by
17		Vectren for all service lines (including assumption of
18		ownership of customer-owned service lines upon

<sup>&</sup>lt;sup>2</sup> Application at 3 (August 22, 2013).

<sup>&</sup>lt;sup>3</sup> Application at 3 (August 22, 2013).

<sup>&</sup>lt;sup>4</sup> Application at 3 (August 22, 2013).

<sup>&</sup>lt;sup>5</sup> Application at 3 (August 22, 2013).

1		replacement) with clarification of the recoverable
2		amount of such costs going forward.6
3		
4	<i>Q8</i> .	WHAT IS THE PURPOSE OF THE VECTREN DISTRIBUTION
5		REPLACEMENT RIDER PROGRAM AS STATED IN THE APPLICATION?
6	A8.	Vectren, in its Application, states that the DRR Program is centered on system
7		safety and reliability. The Utility states that: "the purpose of the program
8		continues to improve the safety and reliability of service due to the propensity of
9		increased instances of leakage on bare-steal and cast-iron assets when compared
10		to assets composed of other materials such as plastic and coated steel." <sup>7</sup>
11		
12	<i>Q9</i> .	HAS VECTREN SUPPORTED ITS POSITION (STATED ABOVE) WITH
13		DATA OR TESTIMONY THAT QUANTIFIES THE BENEFITS TO
14		CUSTOMERS?
15	A9.	No. Vectren has noted there are operational benefits that the DRR Program has
16		provided. <sup>8</sup> However, those benefits are not quantified (by Vectren) and come at a
17		high price for customers. Vectren estimates that its investment in the DRR
18		Program over the next 5 years will be approximately \$187 million. <sup>9</sup> The O&M
19		Savings that are anticipated due to the safety and operational improvements are

<sup>&</sup>lt;sup>6</sup> Application at 3 (August 22, 2013).

<sup>&</sup>lt;sup>7</sup> Application at Alternative Rate Plan Exhibits at 1 (August 22, 2013).

<sup>&</sup>lt;sup>8</sup> Testimony of James Francis at 9-10 (August 22, 2013).

<sup>&</sup>lt;sup>9</sup> Testimony of James Francis at Exhibit No. JMF-9 (August 22, 2013).

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roughly \$1.1 million. 10 Thus, there is a significant disparity between the DRR Program costs and the quantifiable O&M Savings that are derived from the DRR investment -- especially as compared to the first accelerated infrastructure replacement program for Duke Energy of Ohio which produced \$8.5 million in savings over the first five years. 11 Even assuming that the \$187 million provides non-quantified benefits, the Utility's cost/benefit analysis does not support or warrant that level of spending. Vectren claims that the DRR Program provides a benefit in addressing federal pipeline safety regulations. Vectren witness James Francis stated: Moreover, since approval of the Replacement Program, federal pipeline safety regulations have continued to evolve. In 2009, pursuant to the Pipeline Inspection, Protection Enforcement and Safety Act of 2006, the DOT's Pipeline and Hazardous Materials and Safety Administration ("PHMSA") issued its Distribution Integrity Management Rules ("DIMP Rules"). The DIMP Rules require each LDC to implement a risk modeling program that (1)

Through its Distribution Integrity Management Program

mitigating actions that can be undertaken to address them.

risks thereto and (2) ranks and prioritizes those risks and the

evaluates data related to the nature of its facilities and the potential

<sup>&</sup>lt;sup>10</sup> Testimony of James Francis at Exhibit No. JMF-10 (August 22, 2013).

<sup>&</sup>lt;sup>11</sup> *In re Duke Rate Case*, Case No. 07-589-GA-AIR, et al., Direct Testimony of Sandra Meyer at 22 (August 1, 2007).

("DIMP"), [Vectren] has identified that the Replacement 1 Program is the most appropriate risk mitigation activity to 2 address and remediate the most significant threats associated 3 with the BS/CI assets.<sup>12</sup> 4 5 While Mr. Francis stated that the DRR Program is the most appropriate risk 6 mitigation activity, that general statement is not supported by testimony of what 7 other risk mitigation options were considered and rejected, and the costs of such 8 9 alternatives. Furthermore, the scope of the proposed DRR Program involves 10 significant expansion of the program to include the replacement of assets other than just the cast iron and bare steel pipelines that are the focus of the federal 11 regulations.<sup>13</sup> 12 13 In addition, contrary to the Utility's claims, the Staff of the PUCO ("PUCO 14 Staff") does not seem to agree with the assessment that the DRR Program is a 15 safety-focused program. In fact, a review of the PUCO Staff Comments shows 16 that the word "safety" only appears twice 14 and in both instances it refers to 17 Utility claims and does not reflect PUCO Staff's agreement. Rather, the DRR 18 Program looks to be an economic program that benefits shareholders. 19

<sup>&</sup>lt;sup>12</sup> Testimony of James Francis at 11 (August 22, 2013). (Emphasis added.)

<sup>&</sup>lt;sup>13</sup> Application at 2 (August 22, 2013).

<sup>&</sup>lt;sup>14</sup> PUCO Staff Comments at 5 ("The Company states that the DRR Program has improved pipeline safety and reliability of its system, but has observed that its remaining BS/CI infrastructure continues to experience leakage and repair rates significantly greater than plastic pipelines."); Staff Comments at 6-7 ("The Company maintains that this type of older plastic pipe becomes hardened and brittle over time and is susceptible to cracking and leakage when subjected to stress intensification, thus creating a potential safety hazard.").

#### Q10. DOES VECTREN QUANTIFY THE ASSOCIATED RISKS FOR

CUSTOMERS IF THE UTILITY SLOWS OR ELIMINATES THE ANNUAL

#### INVESTMENTS IN THE DISTRIBUTION REPLACEMENT RIDER

#### PROGRAM?

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A10.

No, the Utility does not quantify the risks for customers if it slows or eliminates the annual investments in the DRR Program. Vectren witness James Francis stated: "[Vectren] expects to continue to experience improved service reliability and safety through the reduction of leakage and the replacement or retirement of the mains and service lines that contribute most to system leaks." <sup>15</sup> "Specifically, replacement projects have allowed VEDO to eliminate 435 active leaks, as well as an estimated 105 new leaks annually that would have reasonably been expected to occur had the targeted mains and service lines not been retired." However, there is no evaluation in Mr. Francis' testimony of the seriousness of these leaks or the prioritization that would have been employed to repair such leaks, or to what extent an imminent safety issue existed in Vectren's distribution system due to the presence of these leaks. Absent any testimony to the contrary, the Utility should have—even without the DRR Program in place—taken the steps necessary to address any safety-related issues associated with those leaks. Thus, there is no documentation to corroborate any allegation that the DRR Program improved safety at all.

<sup>&</sup>lt;sup>15</sup> Testimony of James Francis at 8 (August 22, 2013).

<sup>&</sup>lt;sup>16</sup> Testimony of James Francis at 9 (August 22, 2013).

1	<i>Q11</i> .	DOES THE DISTRIBUTION REPLACEMENT RIDER PROGRAM
2		GUARANTEE SAFETY OR RELIABILITY?
3	A11.	No. The DRR Program does not guarantee safety or reliability.
4		
5	Q12.	ARE THERE CONCERNS THAT THERE WOULD BE IMMINENT HARM
6		TO CUSTOMER SAFETY IF THE DISTRIBUTION REPLACEMENT
7		RIDER PROGRAM IS ENDED?
8	A12.	No. Vectren has not put forth any testimony or other documentation to support a
9		finding that that there would be imminent harm to customers if the DRR Program
10		was terminated. Historically, the Utility has had responsibility for undertaking its
11		capital projects and replacing facilities as necessary in order to provide safe and
12		reliable service for its customers and the ability to seek to collect from customers
13		prudently incurred costs through the rate case process. <sup>17</sup> In response to OCC
14		discovery the Utility stated:
15		Vectren's provision of service and its monitoring and maintenance
16		of its natural gas distribution system are subject to various laws
17		and regulations promulgated by state and federal governments, and
18		its practices regarding safety and reliability are subject to state and
19		federal supervision and regulation. The Utility stated that to the
20		best of its knowledge, Vectren is providing service in compliance
21		with these laws and regulations, and it continues to seek funding

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<sup>&</sup>lt;sup>17</sup> R.C. 4909.18 and R.C. 4909.19.

1		of proactive investment in its system to ensure the continued
2		provision of safe and reliable service. 18
3		
4	Q13.	HAS VECTREN ALLEDGED THAT THERE IS CURRENTLY AN
5		IMMINENT OR VERIFIABLE SAFETY THREAT ON ITS DISTRIBUTION
6		SYSTEM?
7	A13.	No. Vectren has not alleged that its customers are facing an imminent or
8		verifiable safety threat that would warrant the approval of a 5-year extension of
9		Vectren's DRR Program. In fact, when asked if the Vectren distribution system is
10		safe and reliable today, the Utility stated, "Yes." Because the Utility maintains
11		that its current distribution system is safe and reliable, it cannot by definition
12		present an argument that an imminent and verifiable harm exits to support a need
13		for extension and expansion of the DRR program for safety-related reasons.
14		
15	Q14.	IS THE DISTRIBUTION REPLACEMENT RIDER THE ONLY
16		MECHANISM AVALIABLE TO THE UTILITY TO COLLECT
17		INFRASTRUCTURE IMPROVEMENT COSTS FROM ITS CUSTOMERS?
18	A14.	No. The Utility may seek to recover such costs from customers through the
19		traditional distribution rate case mechanism, as well as the Vectren Capital
20		Expenditure Program. However, the mechanism that the Utility chooses to use to
21		collect costs from its customers is not determinative of whether the distribution

 $<sup>^{18}</sup>$  Vectren Response to OCC Interrogatory No. 77 (attached hereto as Attachment BMH-B). (Emphasis added).

<sup>&</sup>lt;sup>19</sup> Vectren Response to OCC Interrogatory No. 76 (attached hereto as Attachment BMH-C).

1		system is safer or more reliable. There are alternative methods of collecting costs,
2		but the safety and reliability of the Utility's distribution system is based upon
3		Vectren's "monitoring and maintenance of its distribution system" and is not
4		dependent on any one collection method.
5		
6	IV.	CONCLUSION
7		
8	Q15.	WHAT IS YOUR RECOMMENDATION?
9	A15.	Because Vectren has failed to allege in testimony or other documentation
10		substantiating an imminent or verifiable safety threat and because the DRR is not
11		the exclusive cost collection mechanism available to the Utility, the PUCO should
12		reject Vectren's unreasonable proposal to expand and extend (for an additional
13		five-years) the DRR Program that its customers pay for. Vectren's Application is
14		not just or reasonable and should be denied.
15		
16	Q16.	DOES THIS CONCLUDE YOUR TESTIMONY AT THIS TIME?
17	A16.	Yes it does. However, I reserve the right to incorporate new information that may
18		subsequently become available.

<sup>20</sup> Id.

#### **CERTIFICATE OF SERVICE**

I hereby certify that a copy of the *Direct Testimony of Bruce M. Hayes on Behalf* of the Office of the Ohio Consumers' Counsel was served on the persons stated below via electronic service this 14<sup>th</sup> day of day of January 2014.

/s/ Larry S. Sauer

Larry S. Sauer Assistant Consumers' Counsel

#### PARTIES OF RECORD

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#### Bruce M. Hayes

#### List of Cases in which Testimony was submitted on Public Utility Regulation

As an employee of the Office of the Ohio Consumers' Counsel (OCC):

Company	Docket No.	Date
Dominion East Ohio Gas Company	05-219-GA-GCR	2006
Columbia Gas of Ohio, Inc.	04-221-GA-GCR	2006
Columbia Gas of Ohio, Inc.	05-221-GA-GCR	2006
Columbia Gas of Ohio, Inc.	07-478-GA-UNC	2007
Columbia Gas of Ohio, Inc.	08-1344-GA-EXM	2011
Dominion East Ohio Gas Company	12-1842-GA-EXM	2012
Columbia Gas of Ohio, Inc.	12-2637-GA-EXM	2012
Duke Energy Ohio, Inc.	07-589-GA-AIR et al.	2008
Dominion East Ohio Gas Company	11-2401-GA-ALT	2011
Dominion East Ohio Gas Company	08-169-GA-ALT	2011
Vectren Energy Delivery of Ohio, Inc.	07-1285-GA-EXM	2010
Duke Energy Ohio, Inc.	12-1682-EL-AIR et al.	2013
Duke Energy Ohio, Inc.	12-1685-GA-AIR et al.	2013

As an employee of Columbia Gas of Kentucky, Inc.:

Company	Docket No.	Date
• •		
Columbia Gas of Kentucky, Inc.:	8281	1981

Ohio Rules of Civil Procedure, "[a]n interrogatory seeks an admission or seeks information of major significance in the trial or in the preparation for trial. It does not contemplate an array of details or outlines of evidence, a function reserved by the rules for deposition." *Penn Central Transp. Co. v. Armco Steel Corp.*, 27 Ohio Misc. 76, 77 (Montgomery Cty. 1971).

#### II. RESPONSES TO INTERROGATORIES

Inter. No. 76: Is the Company's natural gas distribution system (that is the subject of the Utility's Application in this case) safe and reliable today?

**RESPONSE:** VEDO objects to this interrogatory to the extent that it calls for VEDO to offer a legal conclusion. Subject to and without waiving this objection, VEDO responds as follows:

Yes.

<u>Inter. No. 77:</u> If the response to OCC Interrogatory No. 76 is affirmative, please explain the basis for that conclusion.

RESPONSE: VEDO objects that "basis" is vague and undefined. VEDO further objects that this interrogatory is overbroad and unduly burdensome to answer. Subject to and without waiving these objections and the objection to Inter. No. 76, VEDO responds as follows:

VEDO's provision of service and its monitoring and maintenance of its natural gas distribution system are subject to various laws and regulations promulgated by state and federal governments, and its practices regarding safety and reliability are subject to state and federal supervision and regulation. To the best of its knowledge, VEDO is providing service in compliance with these laws and regulations, and it continues to seek the funding of proactive investment in its system to ensure the continued provision of safe and reliable service. But

whether VEDO complies with any particular legal or regulatory requirement is a question of law entrusted to the body authorized to interpret and apply the pertinent authority.

<u>Inter. No. 78:</u> If the response to OCC Interrogatory No. 76 is negative, please explain why the distribution system is not safe and reliable today.

**RESPONSE**: Not applicable.

Inter. No. 79: If the utility's distribution system (that is the basis of the Utility's Application in this case) is not safe and reliable today, please identify the specific reasons that the Company determined that the distribution system is not safe and reliable and indicate when the Utility became aware that they the distribution system is not safe and reliable?

**RESPONSE:** Not applicable.

<u>Inter. No. 80:</u> Is the Company aware of any imminent safety threat(s) involving its natural gas distribution system today?

RESPONSE: VEDO objects that "aware," "imminent safety threat(s)," and "involving" are vague and undefined. VEDO further objects that answering this interrogatory would require VEDO to interview every current employee and contractor and thus is overbroad and unduly burdensome to answer. Subject to and without waiving these objections, VEDO responds as follows: VEDO is not aware of any particular situation on its system that constitutes or is expected to result in a pipeline safety incident. Nevertheless, natural gas leaks present substantial safety hazards, and VEDO is routinely required to respond to leaks on its natural gas system. VEDO continuously monitors and analyzes the performance of its distribution system

Ohio Rules of Civil Procedure, "[aJn interrogatory seeks an admission or seeks information of major significance in the trial or in the preparation for trial. It does not contemplate an array of details or outlines of evidence, a function reserved by the rules for deposition." *Penn Central Transp. Co. v. Armco Steel Corp.*, 27 Ohio Misc. 76, 77 (Montgomery Cty. 1971).

#### II. RESPONSES TO INTERROGATORIES

**Inter.** No. **76:** Is the Company's natural gas distribution system (that is the subject of the Utility's Application in this case) safe and reliable today?

**RESPONSE:** VEDO objects to this interrogatory to the extent that it calls for VEDO to offer a legal conclusion. Subject to and without waiving this objection, VEDO responds as follows:

Yes.

<u>Inter. No. 77:</u> If the response to OCC Interrogatory No. 76 is affirmative, please explain the basis for that conclusion.

RESPONSE: VEDO objects that "basis" is vague and undefined. VEDO further objects that this interrogatory is overbroad and unduly burdensome to answer. Subject to and without waiving these objections and the objection to Inter. No. 76, VEDO responds as follows:

VEDO's provision of service and its monitoring and maintenance of its natural gas distribution system are subject to various laws and regulations promulgated by state and federal governments, and its practices regarding safety and reliability are subject to state and federal supervision and regulation. To the best of its knowledge, VEDO is providing service in compliance with these laws and regulations, and it continues to seek the funding of proactive investment in its system to ensure the continued provision of safe and reliable service. But

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in

Case No(s). 13-1571-GA-ALT

Summary: Testimony Direct Testimony of Bruce M. Hayes on Behalf of the Office of the Ohio Consumers' Counsel electronically filed by Patti Mallarnee on behalf of Sauer, Larry S.