Dana Brown-Davis, C.M.C.

**COUNTY COURTHOUSE** 

311 Grand Avenue, Suite #105 Bellingham, WA 98225 (360) 778-5010



COUNCILMEMBERS

Barry Buchanan Tyler Byrd Todd Donovan Ben Elenbaas Carol Frazey Kaylee Galloway Kathy Kershner

### WHATCOM COUNTY COUNCIL

January 11, 2023

Suneeta Eisenberg 3131 Bennett Dr. Bellingham, WA 98225

Dear Mrs. Eisenberg:

On January 10, 2023, the Whatcom County Council appointed you to the Climate Impact Advisory Committee. I'd like to extend my congratulations, as well as my thanks. Your interest in serving on the Advisory Committee is much appreciated. Your term ends on January 31, 2026.

As required by State law, please complete the Open Government Training requirement no later than April 11, 2023. Instructions to complete the training are enclosed.

Once again, thank you for your interest and your willingness to serve your County.

Sincerely,

Council Chair

Dana Brown-Davis, Clerk of the Council c:

AB 2023-030

Board/Committee file Correspondence file

Chris Elder, Public Works Department

Dana Brown-Davis, C.M.C.

COUNTY COURTHOUSE
311 Grand Avenue. Suite #105

Bellingham, WA 98225 (360) 778-5010



Barry Buchanan Tyler Byrd

COUNCILMEMBERS

Todd Donovan
Ben Elenbaas
Carol Frazey
Kaylee Galloway
Kathy Kershner

## WHATCOM COUNTY COUNCIL

January 11, 2023

Derek Gremban 1806 Lake Crest Dr. Bellingham, WA 98229

Dear Mr. Gremban:

On January 10, 2023, the Whatcom County Council appointed you to the Climate Impact Advisory Committee. I'd like to extend my congratulations, as well as my thanks. Your interest in serving on the Advisory Committee is much appreciated. Your term ends on January 31, 2026.

As required by State law, please complete the Open Government Training requirement no later than April 11, 2023. Instructions to complete the training are enclosed.

Once again, thank you for your interest and your willingness to serve your County.

Sincerely,

Bairy Buchanan Council Chair

c: D

Dana Brown-Davis, Clerk of the Council

AB 2023-030

Board/Committee file Correspondence file

Chris Elder, Public Works Department

Dana Brown-Davis, C.M.C.

#### **COUNTY COURTHOUSE**

311 Grand Avenue, Suite #105 Bellingham, WA 98225 (360) 778-5010



**COUNCILMEMBERS** 

Barry Buchanan Tyler Byrd Todd Donovan Ben Elenbaas Carol Frazey Kaylee Galloway Kathy Kershner

## WHATCOM COUNTY COUNCIL

January 11, 2023

Stevan Harrell 1430 Undine St. Bellingham, WA 98229

Dear Mr. Harrell:

On January 10, 2023, the Whatcom County Council appointed you to the Climate Impact Advisory Committee. I'd like to extend my congratulations, as well as my thanks. Your interest in serving on the Advisory Committee is much appreciated. Your term ends on January 31, 2026.

Once again, thank you for your interest and your willingness to serve your County.

Sincerely,

Barry Buchanan Council Chair

c: Dana Brown-Davis, Clerk of the Council

AB 2023-030

Board/Committee file Correspondence file

Chris Elder, Public Works Department

**CLERK OF THE COUNCIL** Dana Brown-Davis, C.M.C.

**COUNTY COURTHOUSE** 

311 Grand Avenue, Suite #105 Bellingham, WA 98225 (360) 778-5010



Barry Buchanan Tyler Byrd

COUNCILMEMBERS

**Todd Donovan** Ben Elenbaas Carol Frazey Kaylee Galloway Kathy Kershner

### WHATCOM COUNTY COUNCIL

January 11, 2023

Regina Jefferies 903 Yew Street Bellingham, WA 98229

Dear Dr. Jefferies:

On January 10, 2023, the Whatcom County Council appointed you to the Climate Impact Advisory Committee. I'd like to extend my congratulations, as well as my thanks. Your interest in serving on the Advisory Committee is much appreciated. This is a partial term that expires on January 31, 2024.

As required by State law, please complete the Open Government Training requirement no later than April 11, 2023. Instructions to complete the training are enclosed.

Once again, thank you for your interest and your willingness to serve your County.

Sincerely,

Barry Buchanan Council Chair

Dana Brown-Davis, Clerk of the Council c:

AB 2023-030

Board/Committee file Correspondence file

Chris Elder, Public Works Department

Dana Brown-Davis, C.M.C.

**COUNTY COURTHOUSE** 

311 Grand Avenue, Suite #105 Bellingham, WA 98225 (360) 778-5010



Barry Buchanan Tyler Byrd Todd Donovan Ben Elenbaas

COUNCILMEMBERS

Carol Frazey Kaylee Galloway Kathy Kershner

### WHATCOM COUNTY COUNCIL

January 11, 2023

Ray Kamada 31 Longshore Lane Bellingham, WA 98229

Dear Mr. Kamada:

On January 10, 2023, the Whatcom County Council appointed you to the Climate Impact Advisory Committee. I'd like to extend my congratulations, as well as my thanks. Your interest in serving on the Advisory Committee is much appreciated. Your term ends on January 31, 2026.

As required by State law, please complete the Open Government Training requirement no later than April 11, 2023. Instructions to complete the training are enclosed.

Once again, thank you for your interest and your willingness to serve your County.

Sincerely,

Barry Buchanan Council Chair

c:

Dana Brown-Davis, Clerk of the Council

AB 2023-030

Board/Committee file Correspondence file

Chris Elder, Public Works Department

Dana Brown-Davis, C.M.C.

COUNTY COURTHOUSE

311 Grand Avenue, Suite #105 Bellingham, WA 98225 (360) 778-5010



COUNCILMEMBERS

Barry Buchanan

Tyler Byrd

Tyler Byrd Todd Donovan Ben Elenbaas Carol Frazey Kaylee Galloway Kathy Kershner

## WHATCOM COUNTY COUNCIL

January 11, 2023

Phillip Thompson 1117 St. Paul Street Bellingham, WA 98229

Dear Mr. Thompson:

On January 10, 2023, the Whatcom County Council appointed you to the Climate Impact Advisory Committee. I'd like to extend my congratulations, as well as my thanks. Your interest in serving on the Advisory Committee is much appreciated. Your term ends on January 31, 2026.

As required by State law, please complete the Open Government Training requirement no later than April 11, 2023. Instructions to complete the training are enclosed.

Once again, thank you for your interest and your willingness to serve your County.

Sincerely

Barry Buchanan Council Chair

c:

Dana Brown-Davis, Clerk of the Council

AB 2023-030

Board/Committee file Correspondence file

Chris Elder, Public Works Department

From: To: Subject: Date:

Online Form Submittal: Board and Commission Application

Tuesday, December 27, 2022 2:04:20 AM

# **Board and Commission Application**

## Step 1

Application for Appointment to Whatcom County Boards and Commissions

## **Public Statement**

THIS IS A PUBLIC DOCUMENT: As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

Title	Field not completed.
First Name	Philip
Last Name	Thompson
Today's Date	12/27/2022
Street Address	1117 St. Paul St.
City	Bellingham
Zip	98229
Do you live in & are you registered to vote in Whatcom County?	Yes
Do you have a different mailing address?	Field not completed.
Primary Telephone	3606566334
Secondary Telephone	9899441950
Email Address	rtconsultimgwa@comcast.net
Step 2	
Name of Board or Committee	Climate Impact Advisory Committee

Climate Impact Advisory Committee Position:	I have previous work or educational experience in the energy sector.
2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying?	Yes
3. Which Council district do you live in?	District 1
4. Are you a US citizen?	Yes
5. Are you registered to vote in Whatcom County?	Yes
6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?	No
7. Have you ever been a member of this Board/Commission?	Yes
If yes, please list dates:	present-Jan. 2020
8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?	No
You may attach a resume or detailed summary of experience, qualifications, &	Attached

interest in response to
the following questions

9. Please describe your
occupation (or former
occupation if retired),
qualifications,
professional and/or
community activities,
and education

Associate Professor Emeritus, Department of Economics and Institute of Energy Studies, Western Washington University

10. Please describe why you're interested in serving on this board or commission

I have very much enjoyed participating in the activities of CIAC over the past three years, including writing the Climate Action Plan and helping the Committee think about how recent state level legislation factors into our advice. As the only economist on the Committee, I have been able to translate my experience in both the regulatory arena and the classroom and academic environment to provide a valuable perspective. An economist's perspective is important as the Committee pursues its work over the next three years.

References (please include daytime telephone number):

Senator Sharon Shewmake, Washington State Senate and Western Washington University Department of Economics, 360-305-0356

Hart Hodges, Department of Economics, Western Washington University, 360-650-2162

Signature of applicant:

Philip B. Thompson

Place Signed / Submitted

Bellingham WA

(Section Break)

# PHILIP BLINN THOMPSON CURRICULUM VITAE December, 2022

HOME: WORK:

1117 St. Paul St.

Dept. of Economics, MS 9074

Bellingham, WA 98229

Western Washington University

E-mail: rtconsultingwa@comcast.net 516 High St.

Cell: (989) 944-1950 Bellingham, WA 98225

Phone: (360) 650-6326

Fax: (360) 650-6315 E-mail: Phil.Thompson@wwu.edu

#### **EDUCATION**

Ph.D., Economics, University of Arizona, May, 1988.

Dissertation: The Spatial and Temporal Distribution of Risks Associated with Low-Level Radioactive Waste Disposal

B.A., Economics, Magna Cum Laude, Kent State University, June, 1976

#### **EMPLOYMENT EXPERIENCE**

June 2020 to present Associate Professor of Economics Emeritus, Western Washington

University

September 2015 to June 2020 Associate Professor of Economics, Western Washington University

2014 to 2020: WWU Institute for Energy Studies affiliated faculty member

2012 to 2020: Huxley College of the Environment affiliated faculty member

September 2009 to September 2015

Assistant Professor of Economics, Western Washington University Courses taught: Microeconomic Principles, Regulatory Economics, Environmental Economics, Energy Economics, Economics of Electricity Markets, the Business of

Energy

August 2006 to August 2009 Temporary Associate Professor of Economics, Central Michigan

University

August 2000 to July 2006 Temporary Assistant Professor of Economics, Central Michigan

University

Courses taught: Microeconomic Principles, Economics for Entrepreneurs, Economics

and Society, Environmental Economics (undergraduate and graduate levels), Intermediate Microeconomic Theory, Government and Business (Regulatory

Economics), and Applied Business Statistics

August 1998 to August 2000	Assistant Professor of Economics, University of Missouri-Rolla
August 1994 to May 1998	Visiting Assistant Professor of Economics, University of Missouri-Rolla
August 1994 to present	Consultant on Public Utility, Regulatory, and Antitrust Economics Issues
May 1986 to August 1994	Chief Public Utility Economist, Office of the Public Counsel, State of Missouri.
May 1984 to May 1986	Public Utility Economist, Office of the Public Counsel, State of Missouri
August 1982 to May 1984	Visiting Instructor, Department of Economics, Texas A&M University, teaching Principles and Money & Banking.

#### **PUBLICATIONS**

## REFEREED PUBLICATIONS

- Falls, Gregory A. and **Philip B. Thompson**, 2014. "Do Casinos Contribute to Violent Crime? A Panel Data Analysis of Michigan Counties." *Journal of Gambling Business and Economics*, Vol. 8 No. 2, 35-55.
- Falls, Gregory A. and **Philip B. Thompson**, 2014. "Casinos, casino size, and crime: A panel data analysis of Michigan counties." *Quarterly Review of Economics and Finance*, Vol 54 Iss. 1, 123-132. Available online at: http://dx.doi.org/10.1016/j.qref.2013.10.006
- Bailey, Christopher, Gregory Falls, Paul Natke, and **Philip Thompson**, 2010. "Some Determinants of Local Discretionary Spending by College Students." *Midwestern Business and Economic Review*. No. 45: Spring, 2010, 13-22.
- Bailey, Christopher, Gregory Falls, Paul Natke, and **Philip Thompson**, 2008. "Local Spending by Traditional College Students: A Descriptive Case Study." *B-Quest*, 2008. Online journal at: http://www.westga.edu/~bquest/2008/local08.pdf
- Bailey, Christopher, Gregory Falls, Paul Natke, and **Philip Thompson**, 2007. "Measuring the Economic Impact of a Regional Public University." *Midwestern Business and Economic Review*. No. 40: Fall, 2007, 21-31.
- **Thompson, Philip B.**, 2002. "Consumer Theory, Home Production, and Energy Efficiency," *Contemporary Economic Policy*, 20(1), 50-59.
- Riordan, C.A., L.M. Manning, A. Daniel, S.L. Murray, **P.B. Thompson**, and E. Cummins, 1999. "If I Knew Then What I Know Now: A Portable Mentor for Women Beginning Professorial Careers in Science and Engineering," *Journal of Women and Minorities in Science and Engineering*, v. 5, 29-52.

- Murray, Susan L., L.M. Manning, C.A. Riordan, E. Cummins, and **P.B. Thompson**, 1998. "A Mentoring Guide for Female Faculty in Engineering," in 1998 American Society for Engineering Education Conference Proceedings.
- Manning, Linda M., and **Philip B. Thompson**, 1998. "Mentoring Resources for Academic Economists," *Journal of Economics*, XXIV(2), 89-92.
- Nystrom, Halvard E., and **Philip B. Thompson**, 1998. "Refractory Waste Management Financial Decision Model," Refractories Applications, 3(2), June, 5-6.
- **Thompson, Philip B.**, 1997. "Evaluating energy efficiency investments: Accounting for risk in the discounting process," *Energy Policy*, 25(12), October, 989-996.
- Nystrom, Halvard E., and **Philip B. Thompson**, 1997. "Refractory Recycling Financial Decision Model," in *Proceedings of the 1997 National Conference of the American Society for Engineering Management*, 149-152.
- **Thompson, Philip B.**, 1996. "A Cross-Sectional Study of Household Income as a Determinant of Natural Gas Consumption," *Journal of Economics*, XXII(2), 75-82.

## **WORKING PAPERS**

- Dorsey-Palmateer, Reid, Sharon Shewmake, and **Philip B. Thompson.** "Energy Efficiency Information in the Housing Market."
- **Thompson, Philip B.,** "Utility Rate Design, Energy Efficiency, and Very Low Marginal Cost Renewable Electricity."
- Thompson, Philip B., "Alternatives to net metering for pricing excess rooftop solar generation"

#### **TEXTBOOKS**

- Bryant, R. R., G. M. Gelles, and **P. Thompson**. *Microeconomics: A Basic Approach*. 1999-2000. Rolla, MO: University of Missouri-Rolla Economics Department.
- Bryant, R. R., G. M. Gelles, and **P. Thompson**. *Microeconomics: A Basic Approach, Student Workbook for Economics 121*. 1999-2000. Rolla, MO: University of Missouri-Rolla Economics Department.
- Bryant, R. R., G. M. Gelles, **P. Thompson**, J. F. Willis, and M. L. Primack. *Explorations in Microeconomics*, 1996-1997, 1997-1998. Redding, CA: CT Publishing.
- Bryant, R. R., G. M. Gelles, and **P. Thompson**, 1996-1997, 1997-1998, 1998-1999. *Explorations in Microeconomics, A Workbook for Economics 121*. Rolla, MO: UMR Bookstore.

## OTHER PUBLICATIONS

- **Thompson, Phil**, 2019. "What Do We Do When Energy is Free?" *International Association for Energy Economics Energy Forum*, Second Quarter 2019, 31-33.
- **Thompson, Phil**, 2013. "Whatcom View: Pollution must be factored in to calculate true cost of power." Op-Ed piece in the *Bellingham Herald*, July 13, 2013.
- **Thompson, Phil**, and Hart Hodges, 2012. Review of "The Localization Reader: Adapting to the Coming Downshift," by Raymond De Young and Thomas Princen. *Journal of Regional Science*, v. 22, issue 4, October 2012, 712-714.
- **Thompson, Phil**, and Hart Hodges, 2011. "Sell Local: The Next Logical Step." *Economic Inquiry* 49(4), October 2011, 1117.
- Globerman, Steven, and **Phil Thompson**, 2010. "Washington state should remedy sales-tax drain from exempt Canadian shoppers." Op-Ed piece in the *Seattle Times*, June 24, 2010.
- **Thompson, Philip B.**, contributor. Hill, James, primary author, 2007. The New Buffalo: A Comparative Examination of Tribal Casino Gaming in Michigan 1993-2003. Mt. Pleasant, MI: Central Michigan University.
- Thompson, Philip B., Various book reviews in The Journal of Economics, 1995,1997, 2000, and 2002
- **Thompson, Philip B.**, "Writing a Microeconomics Principles Textbook: Process, Problems, and Positives," Proceedings of the 11<sup>th</sup> Annual Teaching Economics: Instruction and Classroom Based Research, Robert Morris College, Pittsburgh, PA, February, 2000, 245-253.
- **Thompson, Philip B.**, 1992. "Appropriate Pricing Policies Toward Bypass: An Application of Natural Monopoly Theory With Spatial Considerations," in *Proceedings of the Eighth National Association of Regulatory Utility Commissioners Biennial Regulatory Information Conference*, National Regulatory Research Institute, The Ohio State University, Columbus, Ohio. Won Honorable Mention (second place) in Conference prize competition.
- **Thompson, Philip B.**, 1992. "Accounting for Interruptibility in LDC Cost Allocation and Transportation Rate Design," in *Proceedings of the Eighth National Association of Regulatory Utility Commissioners Biennial Regulatory Information Conference*, National Regulatory Research Institute, The Ohio State University, Columbus, Ohio.
- **Thompson, Philip B.**, 1990. "The Allocation of Pipeline Demand Charges to LDC Interruptible Sales Customers: A Consumer Advocate's View," in *Proceedings of the Seventh National Association of Regulatory Utility Commissioners Biennial Regulatory Information Conference*, National Regulatory Research Institute, The Ohio State University, Columbus, Ohio.

#### UNPUBLISHED MANUSCRIPTS

**Thompson, Philip B.**, June, 1998. Comments on the Report of the Missouri Public Service Commission's Task Force on Retail Electric Competition, submitted on behalf of the University of Missouri to a Joint Interim Committee of the Missouri General Assembly.

## **OTHER SCHOLARLY ACTIVITIES**

#### **GRANTS**

- Dorsey-Palmateer, Reid; Sharon Shewmake; and **Philip B. Thompson**, 2016-present, \$300,000, Sloan Foundation, Impact of Energy Efficiency on Housing Prices
- Thompson, Philip B., 2012. Mini Research Grant, \$965, Western Washington University Office of Research and Sponsored Programs, for purchase of Chicago gasoline rack price data
- Thompson, Philip B., 2011. Summer Teaching Grant, \$5,000, Western Washington University Office of Research and Sponsored Programs, for development of course in Economics of Electricity Markets
- Hill, James, Greg Falls, and Philip Thompson, 2006. Central Michigan University Research Excellence Fund. "The White Buffalo Under a Microscope: A Comparative and Longitudinal County Analysis of the Social and Economic Impacts of Tribal Casinos in the State of Michigan: 1994-2004"

#### PRESENTATIONS AND CONFERENCE PARTICIPATION

- Thompson, Philip B. (presenter), Ryan Brady, and Gary Tan, "Price Asymmetries In The Midwest U.S. Gasoline Supply Chain," Western Economic Association International 88<sup>th</sup> Annual Conference, Seattle, WA, June 30, 2013.
- Thompson, Philip B., Invited Presenter., WWU Huxley College of the Environment Speaker Series, May, 2013. "Some Observations on U.S. Energy Markets and Policies"
- Thompson, Philip B. (presenter) and Gregory Falls, "Casinos and Crime: A Panel Data Analysis of Michigan Counties," Western Economic Association International 85<sup>th</sup> Annual Conference, Portland, OR, July, 2010.
- Thompson, Philip B. (presenter) and Gregory Falls, "Casinos and Crime: A Panel Data Analysis of Michigan Counties," Midwest Economic Association International 73<sup>rd</sup> Annual Meeting, Cleveland, OH, March, 2009.
- Thompson, Philip B. "Determinants of Household Natural Gas Demand," United States Association for Energy Economics/International Association for Energy Economics 26<sup>th</sup> North American Conference, Ann Arbor, MI, September, 2006.

- Thompson, Philip B., presenter, and Gary Tan, "Price Asymmetry in the Midwest Retail Gasoline Market Revisited," Midwest Economic Association International 69th Annual Meeting, Milwaukee, WI, March, 2005.
- Thompson, Philip B., presenter, "New Faculty Mentoring: Getting a Good Start," Western Economic Association International 75<sup>th</sup> Annual Conference, Vancouver, BC, July, 2000.
- Thompson, Philip B., presenter, "Writing a Microeconomics Principles Textbook: Process, Problems, and Positives," 11<sup>th</sup> Annual Teaching Economics: Instruction and Classroom Based Research, Robert Morris College, Pittsburgh, PA, February, 2000.
- Thompson, Philip B., presenter, "Consumer Theory, Home Production, and Energy Efficiency," Western Economic Association International 74<sup>th</sup> Annual Conference, San Diego, CA, July, 1999.
- Thompson, Philip B., presenter, "Modeling Cost-Risk Tradeoffs Associated With Low-Level Radioactive Waste Disposal Systems," Midwest Economic Association International 63<sup>rd</sup> Annual Meeting, Nashville, TN, March, 1999.
- Thompson, Philip B., presenter, "Low-Level Radioactive Waste Disposal: Cost-Risk Tradeoffs," Western Economic Association International 73rd Annual Conference, Lake Tahoe, July, 1998.
- Manning, Linda M., and Philip B. Thompson, presenter, "So You Want to be an Academic Economist: A Complementary Mentor," Missouri Valley Economic Association meetings, Kansas City, Missouri, February, 1998.
  - Thompson, Philip B., presenter, "A Cross-Section Time-Series Study of the Determinants of Residential Natural Gas Consumption," Midwest Economics Association meetings, Kansas City, Missouri, March, 1997.
- Thompson, Philip B., presenter, "Consumer Theory, Discounting, and Energy Conservation," Missouri Valley Economic Association meetings, St. Louis, Missouri, February, 1997.
- Thompson, Philip B., presenter, "A Cross-Sectional Study of Household Income as a Determinant of Natural Gas Consumption," Missouri Valley Economic Association meetings, Memphis, Tennessee, March, 1996.
  - Respondent, Gas Research Institute Energy Seminar, Electric Utility Restructuring and its Impact on the Gas Industry, Asheville, North Carolina, August, 1995.
- Thompson, Philip B., presenter, "Economists as Government Regulators," First Annual Central Missouri Economics Conference, University of Missouri-Rolla, April, 1993.

#### OTHER SCHOLARLY AND PROFESSIONAL ACTIVITIES

Referee and Reviewer for The Energy Journal, Energy Economics, Journal of Economic Education

## **TESTIMONY**

Missouri Public Service Commission: Written testimony in over sixty docketed cases before the MPSC between 1984 and 1996, and in 2001, 2007, and 2009, and oral cross examination on that testimony in approximately half of those cases.

Missouri General Assembly, Joint Interim Committee on Telecommunications and Energy Sources, testimony on behalf of the University of Missouri containing comments on the Public Service Commission Task Force Report on Retail Electric Competition, September, 1998.

Missouri Senate, Commerce and Consumer Protection Committee, testimony regarding changes in Missouri law relating to telecommunications, March 1992.

#### DISSERTATION AND THESIS COMMITTEES

Member of several M.A., M.S., and Ph.D. committees (CMU and UMR); Supervision of two Master's Plan B papers (CMU)

#### **SERVICE ACTIVITIES**

Member, Whatcom County Climate Impact Advisory Committee, January 2020-present

Member, WWU Registrar Search Committee, January 2020-June 2020

Member, WWU Academic Space Modeling and Capital Plan Task Force, 2019-2020

Member, WWU Academic Coordinating Commission, 2015-2020

Chair, WWU Institute for Energy Studies Curriculum Committee, 2014-2020

Member, Western Study of General Education Task Force, 2013-2014

Extensive involvement in efforts to establish WWU Institute for Energy Studies, including curricular development and new course creation, 2010-June 2020

Member, Western Washington University College of Business and Economics Academic Technology Committee, 2010-2013

Member, Campus Sustainability Advisory Committee, Central Michigan University, 2008-2009

Member, CMU Energy Optimization Committee, Central Michigan University, 2006-2009

Member, Economic Impact Group, Central Michigan University, 2004-2005

Discussant, numerous occasions at a variety of professional meetings, 1995-present

Department Representative, various College of Arts and Sciences committees, University of Missouri-Rolla, 1995 - 2000.

Advisor for Undergraduate Economics Majors, University of Missouri-Rolla, 1995 – 2000; Western Washington University 2010-June 2020.

Member, University Advisory Board, University of Missouri and Network Resources, Inc., Richard L. Wallace, Project Director and Vice President for Academic Affairs, *Study of Missouri's Telecommunications Infrastructure Development*, 1994.

## PROFESSIONAL SOCIETY MEMBERSHIPS

American Economics Association International Association for Energy Economics Western Economic Association International

**REFERENCES:** Available on Request