

**JOHN AXSEN, Ph.D.** (Updated December 2020)

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**EDUCATION**

**Ph.D., Transportation Technology and Policy**, University of California, Davis, 2010.

Dissertation: Interpersonal influence within car buyers' social networks: Observing consumer assessment of plug-in hybrid electric vehicles (PHEVs) and the spread of pro-societal values.

Advisor: Dr. Kenneth S. Kurani, Dr. Thomas Turrentine and Prof. Daniel Sperling.

**Master of Resource Management**, Simon Fraser University, Vancouver, Canada, 2006. Thesis: Combining stated and revealed choice research to inform energy system simulation models: The case of hybrid-electric vehicles. Advisor: Prof. Mark Jaccard and Prof. Dean Mountain.

**Bachelor of Business Administration**, First class honors, Simon Fraser University, Vancouver, Canada, 2004.

**RESEARCH INTERESTS**

- Adoption of pro-environmental technology
- Electric mobility and alternative fuel vehicles
- Consumer attitudes, values, lifestyle and social influence
- Citizen acceptance of energy and policy
- Energy system simulation modeling
- Climate policy design and impacts

**RESEARCH SKILLS**

- Behavioral research methods: consumer surveys and interviews; social network analysis and observation.
- Simulation modeling: energy-economy models, discrete choice models, and integration across models.
- Quantitative analysis: continuous and categorical statistics; linear and logistic regression; factor and cluster analysis.
- Qualitative analysis: narrative and content analysis.
- Policy analysis: quantitative and qualitative tradeoffs.

**ACADEMIC POSITIONS**

**Associate Editor**, *Energy Research & Social Science*, January 2019-present.

**Associate Professor**, Simon Fraser University, 2016-present.

**Director**, Sustainable Transportation Action Research Team (START) @ SFU, 2014-present.

**Visiting Senior Research Fellow**, University of Sussex, July-December 2017.

**Assistant Professor**, Simon Fraser University, 2011-2016.

**Post-Doctoral Research**, UC Davis, 2010-2011.

## PEER-REVIEWED PUBLICATIONS

Notes:

- Journal impact factors and journal ranking (for each field) cited from Journal Citation Reports (JCR)
- My primary research field is best categorized as “Environmental Studies”, though my publications also include journals within the JCR categories of “Economics”, “Transportation” and “Environmental Science.”
- Underlining signifies a student or researcher under my supervision.
- In my discipline, author order proceeds from author with largest contribution to author with least.

### Published Journal Articles (61 total, 22 as first author, 24 with graduate students)

#### 2020 (9 total, 5 with graduate student)

1. **Axsen, J.**, P. Plotz and M. Wolinetz (2020). Crafting strong, integrated policy mixes for deep CO<sub>2</sub> mitigation in road transport, *Nature Climate Change*, 10, 809-818(2020).
2. Long, Z., **J. Axsen**, and S. Kitt (2020). Public support for supply-focused climate policy in the transport sector: Vehicle emissions, low carbon fuel, and zero-emissions vehicle standards in Canada and California, *Transportation Research Part A: Policy and Practice*, 141, 98-115.
3. Manca, F., A. Sivakumar, N. Daina, **J. Axsen**, J. Polak (2020). Modelling the influence of peers’ attitudes on choice behaviour: theory and empirical application on electric vehicle preferences, *Transportation Research Part A: Policy and Practice*, 140, 278-298
4. Bhardwaj, C., **J. Axsen**, F. Kern & D. McCollum (2020). Why have multiple climate policies for light-duty vehicles? Policy mix rationales, interactions and research gaps, *Transport Research Part A: Policy and Practice*, 135, 309-326.
5. Brunner, T., and **J. Axsen** (2020). Oil sands, pipelines and fracking: Exploring citizen acceptance of unconventional fossil fuels in Canada, *Energy Research & Social Science*, 67, 101511.
6. Melton, N., **J. Axsen**, B. Moawad, (2020). Which plug-in electric vehicle policies are best? A multi-criteria evaluation framework applied to Canada, *Energy Research & Social Science*, 64, 101411.
7. Hammond, W., **J. Axsen**, and E. Kjeang (2020). How to slash greenhouse gas emissions in the freight sector: Policy insights from a technology-adoption model of Canada, *Energy Policy*, 137, 111093.
8. Miele, A., **J. Axsen**, M. Wolinetz, E. Maine and Z. Long (2020). The role of charging and refuelling infrastructure in supporting zero-emission vehicle sales, accepted by *Transportation Research Part D: Transport and Environment*, 81, 102275.
9. Sovacool, B., L. Williams, A. Martin, **J. Axsen** (2020). Humanizing hydrocarbon frontiers: The “lived experience” of shale gas fracking in the United Kingdom’s Fylde communities. *Local Environment*, 1-23.

#### 2019 (8 total, 5 with graduate students)

10. Plotz, Patrick, **J. Axsen**, S. Funke and T. Gnann (2019). Designing car bans for sustainable transportation, *Nature Sustainability*, 2, 534-536.
11. Long, Z., **J. Axsen**, & C. Kormos, (2019). Consumers continue to be confused about electric vehicles: Comparing awareness among Canadian new car buyers in 2013 and 2017, *Environmental Research Letters*, 14, 11.
12. Long, Z., **J. Axsen**, I. Miller, & C. Kormos. (2019). Electric vehicles and automotive brand: How has Tesla shaped consumer perceptions? *Transportation Research Part A: Policy and Practice*, 129, 185-204.
13. Lajevari, M., **J. Axsen**, and C. Crawford (2019). Comparing alternative heavy-duty drivetrains based on GHG emissions, ownership and abatement costs: Simulations of freight routes in British Columbia, *Transportation Research Part D: Transport and Environment*, 76, 19-55.

14. **Axsen, J.**, and B. Sovacool (2019). The roles of users in shared, electric and automated mobility transitions, *Transportation Research Part D: Transport and Environment*, 71, 1-21.
  15. **Kamiya, G., J. Axsen**, and C. Crawford (2019). Short-term and long-term perspectives on plug-in electric vehicle GHG intensity, *Transportation Research Part D: Transport and Environment*, 69, 209-223. [2016 JCR = **3.4**,]
  16. **Long, Z., J. Axsen, C. Kormos**, and **S. Goldberg** (2019), Latent-demand for zero-emissions vehicles in Canada (Part 1): Insights from a design space exercise, *Transportation Research Part D: Transport and Environment*, 67, 51-66.
  17. **Kormos, C., J. Axsen, Z. Long**, and **S. Goldberg** (2019), Latent-demand for zero-emissions vehicles in Canada (Part 2): Insights from a latent-class choice model, *Transportation Research Part D: Transport and Environment*, 67, 685-702.
- 2018 (12 total, 5 with graduate students)**
18. **Wolinetz, M., J. Axsen**, J. Peters, and C. Crawford (2018), Simulating the value of vehicle-grid integration using a behaviourally-realistic model, *Nature Energy*, 3, 132-139. [2016 JCR = **46.8**]
  19. Sovacool, B., **J. Axsen**, and S. Sorrell (2018), Promoting novelty, rigor, and style in energy social science: Towards a code of practice for appropriate methods and research design, *Energy Research & Social Science*, 45, 12-42. [2016 JCR = **3.8**]
  20. **Axsen, J.**, and M. Wolinetz (2018). Reaching 30% plug-in vehicle sales by 2030: Modeling incentive and sales mandate strategies in Canada, *Transportation Research Part D: Transport and Environment*, 65, 596-617. [2016 JCR = **3.4**]
  21. Sovacool, B. and **J. Axsen** (2018). Functional, symbolic and societal frames for Automobility: Implications for sustainability transitions, *Transportation Research Part A: Policy and Practice*, 118, 730-746. [2016 JCR = **3.0**]
  22. **Lepitzki, J.**, and **J. Axsen** (2018). The role of a low carbon fuel standard in achieving long-term GHG reduction targets, *Energy Policy*, 119, 423-440. [2016 JCR = **4.0**]
  23. **Axsen, J., J. Cairns, S. Goldberg** and **N. Dusyk** (2018). What drives the Pioneers? Applying lifestyle theory to early electric vehicle buyers in Canada, *Energy Research & Social Science*, 44, 17-30. [2016 JCR = **3.8**]
  24. Sovacool, B., L. Noel, **J. Axsen** and W. Kempton (2018). The neglected social dimensions to a vehicle-to-grid (V2G) transition, *Environmental Research Letters*, 13, 1. [2016 JCR = **4.0**,]
  25. **Peters, D., J. Axsen**, A. Mallet (2018). Socio-political acceptance of smart grid as a tool to mitigate climate change: The case of British Columbia, *Renewable & Sustainable Energy Reviews*, 82, 1939-1951. [2016 JCR = **9.2**]
  26. Schmitt, M., L. Aknin, **J. Axsen** and R. Shwom (2018). Unpacking the relationships between pro-environmental behavior, life satisfaction, and perceived ecological threat, *Ecological Economics*, 143, 130-140. [2016 JCR = **3.9**]
  27. **Dusyk, N., J. Axsen** and **K. Dullemond** (2018). Who cares about climate change? The mass media and socio-political acceptance of Canada's oil sands and Northern Gateway Pipeline, *Energy Research & Social Science*, 37, 12-21. [2016 JCR = **3.8**]
  28. Hardman, S, A. Jenn, G. Tal, **J. Axsen**, G. Beard, N. Daina, E. Figenbaum, N. Jakobsson, P. Jochem, N. Kinnear, P. Plotz, J. Pontes, N. Refa, F. Sprei, T. Turrentine and B. Witkamp (2018), A review of consumer preferences of and interactions with electric vehicle charging infrastructure, *Transportation Research Part D: Transport and Environment*, 62, 508-523. [2016 JCR = **3.4**]
  29. **Lajevari, M., J. Axsen**, and C. Crawford (2018). Examining the role of natural gas and advanced vehicle technologies in mitigating CO2 emissions of heavy-duty trucks: Modeling prototypical British Columbia routes with road grades, *Transportation Research Part D: Transport and Environment*, 62, 186-211. [2016 JCR = **3.4**]

### 2017 (8 total, 4 with graduate students)

30. Sovacool, B., **J. Axsen**, and W. Kempton (2017). The future promise of vehicle-to-grid (V2G) integration: A sociotechnical review and research agenda, *Annual Review of Environment and Resources*, 42, 377-406. [2016 JCR = **6.0**]
31. Fox, J., **J. Axsen** and M. Jaccard (2017). Picking winners: Assessing the costs of technology-specific climate policy for U.S. passenger vehicles, *Ecological Economics*, 137, 133-147. [2016 JCR = **3.9**]
32. Rhodes, K., **J. Axsen**, and M. Jaccard (2017). Exploring citizen support for different types of climate policy, *Ecological Economics*, 137, 56-69. [2016 JCR = **3.9**]
33. Wolinetz, M., and **J. Axsen** (2017). How policy can build the plug-in electric vehicle market: Insights from the respondent-based preference and constraints (REPAC) model, *Technological Forecasting and Social Change*, 117, 238-250. [2016 JCR = **3.1**]
34. **Axsen, J.**, B. Langman and S. Goldberg (2017). Confusion of Innovations: Mainstream consumer perceptions and misperceptions of electric-drive vehicles and charging programs in Canada, *Energy Research & Social Science*, 27, 163-173. [2016 JCR = **3.8**,]
35. Sykes, M., and **J. Axsen** (2017). No free ride to zero-emissions: Simulating a region's need to implement its own zero-emissions vehicle (ZEV) mandate to achieve 2050 GHG targets, *Energy Policy*, 110, 447-460. [2016 JCR = **4.0**]
36. Pettifor, H., C. Wilson, **J. Axsen**, W. Abrahamse, and J. Anable (2017). Social influence on vehicle choice: A synthesis and meta-analysis of empirical studies, *Journal of Transport Geography*, 62, 247-261. [2016 JCR = **2.7**]
37. Melton, N., **J. Axsen**, and S. Goldberg (2017), Evaluating plug-in electric vehicle policies in the context of long-term greenhouse gas reduction goals: Comparing 10 Canadian Provinces using the “PEV Policy Report Card”, *Energy Policy*, 107, 281-293. [2016 JCR = **4.0**]

### 2016 (2)

38. Melton, N., **J. Axsen** and D. Sperling (2016). Moving beyond alternative fuel hype to decarbonize transportation, *Nature Energy*, 3, 1-10
39. **Axsen, J.**, S. Goldberg, and J. H. Bailey (2016). Understanding the differences between current plug-in electric vehicle owners and the potential future “early mainstream” market, *Transportation Research Part D: Transport and Environment*, 47, 357-370.

### 2015 (4)

40. Bailey J. H. and, **J. Axsen** (2015). Anticipating consumer acceptance of utility controlled charging for plug-in vehicles, *Transportation Research Part A: Policy and Practice*, 82, 29-46. [2014 JCR = **2.8**, #20/332 in Economics, #5/29 in Transportation]
41. **Axsen, J.**, J. H. Bailey, and M. Castro (2015). Preference and lifestyle heterogeneity among potential plug-in electric vehicle buyers, *Energy Economics*, 50, 190-201. [2014 JCR = **2.6**, #26/332 in Economics.]
42. Bailey, H., A. Miele, and **J. Axsen** (2015). Is awareness of public charging associated with consumer interest in plug-in electric vehicles? *Transportation Research Part D: Transport and Environment*, 36, 1-9. [2014 JCR = **1.9**, #27/100 in Environmental Studies, #12/29 in Transportation.]
43. Rhodes, E., **J. Axsen** and M. Jaccard (2015). Gauging citizen support for a low carbon fuel standard, *Energy Policy*, 79, 104-114. [2014 JCR = **2.6**, #14/100 in Environmental Studies.]

### 2014 (4)

44. **Axsen, J.** (2014). Citizen acceptance of new fossil fuel infrastructure: Value theory and Canada’s Northern Gateway Pipeline, *Energy Policy*, 75, 255-265. [2014 JCR = **2.6**, #14/100 in Environmental Studies.]

45. **Rhodes, E., J. Axsen** and M. Jaccard (2014). Does effective climate policy require well-informed citizen support? *Global Environmental Change*, 29, 92-104. [2014 JCR = 5.1, #3/100 in Environmental Studies.]
46. **Axsen, J.**, and K.S. Kurani (2014). Social influence and pro-environmental behavior: The reflexive layers of influence framework. *Environment and Planning B*, 41(5), 847-862. [2014 JCR = 1.0]
47. Cusack, D., **J. Axsen**, R. Shwom, L. Hartzell-Nichols, S. White, K. Mackey (2014). Assessing climate engineering solutions as complements to mitigation: An interdisciplinary framework. *Frontiers in Ecology and the Environment*, 12(5), 280-287. [2014 JCR = 7.4, #6/144 in Ecology, #5/221 in Environmental Science.]

#### 2013 (4)

48. **Axsen, J.**, C. Orlebar, and S. Skippon (2013). Observing social influence and consumer preference formation: The case of a U.K. workplace electric-vehicle trial. *Ecological Economics*, 95, 96-107. [2014 JCR = 2.7, #8/100 in Environmental Studies, #25/332 in Economics]
49. **Axsen, J.** and K. Kurani (2013). Hybrid, plug-in hybrid or electric—what kind of electric-drive vehicles do consumers want? *Energy Policy*, 61, 532-543. [2014 JCR = 2.6, #14/100 in Environmental Studies.]
50. **Axsen, J.** and K. Kurani (2013). Connecting plug-in vehicles to green electricity through consumer demand: A survey of U.S. new car buyers, *Environmental Research Letters*, 8, 1-8. [2014 JCR = 3.9, #23/221 in Environmental Science]
51. **Axsen, J.**, and K.S. Kurani (2013). Developing sustainability-oriented values: Insights from households in a trial of plug-in hybrid vehicles, *Global Environmental Change*, 23(1), 70-80. [2014 JCR = 5.1, #3/100 in Environmental Studies.]

#### 2012 (4)

52. **Axsen, J.**, J. TyreeHageman, and A. Lentz (2012). Lifestyle practices and pro-environmental technology, *Ecological Economics*, 82, 64-74. [2014 JCR = 2.7, #8/100 in Environmental Studies, #25/332 in Economics.]
53. **Axsen, J.**, and K.S. Kurani (2012). Social influence, consumer behavior and low-carbon energy transitions, *Annual Review of Environment and Resources*, 37, 311-40. [2014 JCR = 5.9, #2/100 in Environmental Studies]
54. **Axsen, J.**, and K.S. Kurani (2012). Who can recharge a plug-in electric vehicle at home? Submitted to *Transportation Research Part D: Transport and Environment*, 17(5), 349-353. [2014 JCR = 1.9, #27/100 in Environmental Studies, #12/29 in Transportation.]
55. **Axsen, J.**, and K.S. Kurani (2012). Interpersonal influence within car buyers' social networks: Applying five perspectives to plug-in hybrid vehicle drivers, *Environment and Planning A*, 44(5), 1047-1065. [2014 JCR = 1.6, #41/89 in Environmental Studies]

#### 2011 (2)

56. **Axsen, J.**, K.S. Kurani, R. McCarthy and C. Yang (2011). Plug-in hybrid vehicle GHG impacts in California: Integrating consumer-informed recharge profiles with an electricity-dispatch model, *Energy Policy*, 39(3), 1617-1629. [2014 JCR = 2.6, #14/100 in Environmental Studies.]
57. **Axsen, J.**, and K.S. Kurani (2011). Interpersonal influence in the early plug-in hybrid market: Observing social interactions with an exploratory multi-method approach, *Transportation Research Part D: Transport and Environment*, 16(2), 150-159. [2014 JCR = 1.9, #27/100 in Environmental Studies, #12/29 in Transportation.]

#### 2010 (2)

58. **Axsen, J.**, and K.S. Kurani (2010). Anticipating plug-in hybrid vehicle (PHEV) energy impacts in California: Constructing consumer-informed recharge profiles, *Transportation Research Part D: Transport and Environment*, 15(4), 212-219. [2014 JCR = 1.7, #9/24 in Transportation]

59. **Axsen, J.**, K.S. Kurani, and A. Burke (2010). Are batteries ready for plug-in hybrids buyers? *Transport Policy*, 17 (3), 173-182. [2014 JCR = **1.6**, #14/24 in Transportation]

**2009 (2)**

60. **Axsen, J.**, and K.S. Kurani (2009). Early U.S. market for plug-in hybrid electric vehicles: Anticipating consumer recharge potential and design priorities, *Transportation Research Record: Journal of the Transportation Research Board*, 2139, 64-72. [2014 JCR = **0.6**]
61. **Axsen, J.**, D. Mountain, and M. Jaccard (2009). Combining stated and revealed choice research to simulate the "neighbor effect": The case of hybrid-electric vehicles, *Resource and Energy Economics*, 31 (3), 221-238. [2014 JCR = **1.3**, #88/332 in Economics]

**Manuscripts under review (7 total, 4 with my graduate students)**

62. Kormos, C., R. Sussman, **J. Axsen** (Revise and Resubmit). Is consumer valuation of fuel economy influenced by the metric used? A randomized stated choice experiment, Submitted to *Transportation Research Part A: Policy and Practice*.
63. Kitt, S., **J. Axsen**, Z. Long, K. Rhodes (Revise & Resubmit). Trust in citizen acceptance of climate policy: Comparing perceptions of government competence, integrity and value similarity, submitted to *Ecological Economics*.
64. **Axsen, J.**, K. Kurani, and B. Sovacool (Under Review). Replacing the rational actor with the reflexive participant: A research guide to eliciting consumer response to transformative technologies, submitted to *Travel Behaviour & Society*.
65. Donald, J., **J. Axsen**, K. Shaw, and B. Robertson (Under Review). Sun, wind or water? The influence of values, environmental concern and regional context on public acceptance for large-scale renewable energy in Canada, submitted to *Journal of Environmental Policy and Planning*.
66. Bhardwaj, C., J. Axsen, D. McCollum (Under Review). Modeling automaker response to regulation: the AuCo model, submitted to *Transportation research Part D*.
67. Bhardwaj, C., J. Axsen, D. McCollum (Under Review). Modeling automaker response to a ZEV mandate, submitted to *Energy Policy*
68. Long, Z., Kitt, S., **J. Axsen**, (Under Review). Who Supports Which Low-Carbon Transport Policies? Identifying Segments Among Canadian Citizens, submitted to *Energy Policy*.

**Works in progress (7 total, 5 with graduate students)**

1. **Axsen J.**, M. Wolinetz (Draft). Taxes, Tolls, and ZEV Zones for Climate Goals: A Review of Evidence for Road Pricing Design and Implementation, to be submitted to *Transport Policy*
2. **Axsen, J.** Hardman, S., and A. Jenn, (Draft). Insights into the impacts of Zero-Emissions Vehicle Mandates, to be submitted to *Energy Policy*.
3. Lajevardi, M., **J. Axsen**, and C. Crawford (Draft). Simulating the need for policy to decarbonize Freight, to be submitted to *Transportation Research Part D: Transport and Environment*.
4. Bhardwaj, C., **J. Axsen**, D. McCollum (Draft). Modeling interactions between a ZEV mandate and vehicle emissions standard, to be submitted to *Energy Policy*
5. Gauer, V., **J. Axsen**, E. Dütschke, Z. Long (Draft). Car Dependence, Norms or Perceptions? Exploring Engagement with "Automobility" as a Predictor of Interest in Shared, Automated and Electric Mobility, to be submitted to *Global Environmental Change*.
6. Aubertin, A., **J. Axsen**, S. Gunster (Draft). Plug-in Electric Vehicle Policy Discourses in British Columbia, Ontario, and Québec, to be submitted to Long, Z., **J. Axsen**, V. Gauer (Draft). *Energy Research & Social Science*.
7. Anticipating use of shared, automated, and electric mobility: Awareness, interest, and adoption among Canadians, to be submitted to *Transportation Research Part D: Transport and Environment*.

## BOOK CHAPTERS

### Published (4 total)

1. **Axsen, J.**, Z. Long (2020). The present and future market for PEVs in Canada: Evidence from a mixed-method research program, in *Who's Driving Electric Cars: Understanding Consumer Adoption and Use of Plug-in Electric Cars*. M. Contestabile, G. Tal and T. Turrentine, Springer International Publishing: 63-85. Book with the *International Energy Agency*.
2. Ehrhardt-Martinez, K., J. Schor, W. Abrahamse, A. Alkon, **J. Axsen**, K. Brown, R. Shwom, D. Southerton, H. Wilhite (2015). Consumption and Climate Change, in *Climate Change and Society: Sociological Perspective on Global Warming*, Eds. R. Dunlap and R. Brulle, Oxford University Press, American Sociological Association.
3. **Axsen, J.**, C. Yang, R. McCarthy, A. Burke, K. Kurani, and T. Turrentine (2011), The Plug-in Electric Vehicle Pathway, in *Sustainable Transportation Energy Pathways: A Research Summary for Decisionmakers*, Eds. Joan Ogden and Lorraine Anderson, Regents of the University of California, Davis campus. Available under a Creative Commons BY-NC-ND 3.0 license, published 2011, p.38-63.
4. **Axsen, J.**, A. Burke, and K.S. Kurani (2010). Batteries for PHEVs: Comparing Goals and the State of Technology, in *Electric and Hybrid Vehicles: Power Sources, Models, Sustainability, Infrastructures and the Market*, Ed. Gianfranco Pistoia, Elsevier, ISBN 978-0-444-53565-8.

## ACADEMIC, POLICY AND STAKEHOLDER REPORTS (32 total)

1. **Axsen, J.**, M. Wolinetz (2020). *Pricing it Right for Climate: Using Mobility Pricing to Drive Down Transport Emissions in Metro Vancouver and Montreal*. Prepared for the David Suzuki Foundation, December 2020.
2. Long, Z., **J. Axsen**, V. Gauer (2020). Consumer response to new mobility innovations in Canada, Prepared for Translink, October 2020.
3. **Axsen, J.** (2020). *Policy Brief – Zero-emission Vehicle (ZEV) Mandate*. Submitted to the Hong Kong Legislative Council's (LegCo) Subcommittee to Study Issues Relating to the Development of Electric Vehicle, July 2020.
4. Melton, N., J. Peters, **J. Axsen** (2020). *Simulating zero-emission vehicle adoption and economic impacts in Canada*, Prepared for the International Council on Clean Transportation (ICCT), March 2020
5. Hardman, S., P., Plotz, G. Tal, **J. Axsen**, E. Figenbaum, et al. (2020). *The role of electric vehicles in Cities*, Policy Guide, Prepared for the UC Davis International EV Policy Council, January 2020.
6. **J. Axsen**, M. Wolinetz (2019). *Shifting Gears: Climate Solutions for Transportation in Cities, Metro Vancouver case study*. Prepared for the David Suzuki Foundation, November 2019. <https://david Suzuki.org/science-learning-centre-article/shifting-gears-climate-solutions-for-transportation-in-cities-metro-vancouver-case-study/>
7. Hardman, S., P., Plotz, G. Tal, **J. Axsen**, E. Figenbaum, et al. (2019). *Exploring the Role of Plug-In Hybrid Electric Vehicles in Electrifying Passenger Transportation*, Policy Guide, Prepared for the UC Davis International EV Policy Council, April 2019.
8. **J. Axsen** (2019). *Charging Forward: A Blueprint for Clean and Affordable Electric Cars in British Columbia – Recommendations to the Government of British Columbia on design of the zero-emission vehicle standard*, Prepared for the David Suzuki Foundation, February 26, 2019.
9. Wolinetz, M. **J. Axsen** (2018). *Analysis of Energy Effectiveness Ratios for Light- and Heavy-Duty Vehicles: Potential values for the substitution of gasoline diesel with electricity in British Columbia's Renewable and Low Carbon Fuel Requirement Regulation*. Prepared for Powerex, November 6, 2018.

10. Hardman, S., A. Jenn, **J. Axsen**, G. Beard, et al. (2018). *Driving the Market for Plug-in Vehicles: Understanding ZEV Mandates*, Policy Guide, Prepared for the UC Davis International EV Policy Council, August, 2018.
11. Hardman, S., T. Turrentine, **J. Axsen**, D. Garas, et al. (2018). *Driving the Market for Plug-in Vehicles: Understanding Financial Purchase Incentives*, Policy Guide, Prepared for the UC Davis International EV Policy Council, March, 2018.
12. Hardman, S., G. Tal, **J. Axsen**, G. Beard, et al. (2018). *Driving the Market for Plug-in Vehicles: Developing Charging Infrastructure for Consumers*, Policy Guide, Prepared for the UC Davis International EV Policy Council, March, 2018.
13. British Columbia Government consultation on *Clean Growth Intentions—Clean Transportation*, August 24, 2018. **3 submissions**
  - Support for a Zero-Emissions Vehicle (ZEV) Mandate.
  - Support for strengthening the low-carbon fuel standard (LCFS).
  - Joint submission for a ZEV mandate with Clean Energy Canada, Tesla, David Suzuki Foundation, and 11 other organizations.
14. Kormos, C., R. Sussman, **J. Axsen** and S. Conrad (2018). *Auto Buyers' Valuation of Fuel Economy: A Randomized Stated Choice Experiment*, prepared for Consumers Union. June 12, 2018
15. Melton, N., **J. Axsen**, M. Wolinetz, S. Goldberg, B. Moawad, (2017). *Canada's ZEV Policy Handbook*, prepared with the Metcalf Foundation, December 15, 2017.
16. Long, Z., S. Goldberg and **J. Axsen** (2017). *Comparison of Metro Vancouver respondents in 2017 and 2013 consumer surveys of plug-in electric vehicles*, prepared for Metro Vancouver, October 30, 2017.
17. Long, Z., S. Goldberg, C. Kormos, and **J. Axsen** (2017). *Canadian Zero-Emissions Vehicle Survey: Metro Vancouver Analysis*, prepared for Metro Vancouver, August 4, 2017.
18. Goldberg, S. J. Moorhouse and **J. Axsen**, (2017). *Where do B.C.'s parties stand on electric cars?*, prepared with Clean Energy Canada, May 4, 2017.
19. Wolinetz, M., **J. Axsen** and S. Goldberg (2016). *Achieving an electric mobility transition in Canada's passenger vehicle sector: Modeling national policies*. Prepared for Equiterre, December 15, 2016.
20. **Axsen, J.**, S. Goldberg and N. Melton (2016). *Canada's Electric Vehicle Policy Report Card*, prepared with the Metcalf Foundation, November 15, 2016.
21. Goldberg, S. and **J. Axsen** (2015). *Content Writing for Website on Electric Vehicle Charging in Stratified Buildings (OS18730 – RFSQ)*, Prepared for Metro Vancouver, December 4, 2015.
22. **Axsen, J.**, S. Goldberg, H.J. Bailey, G. Kamiya, B. Langman, J. Cairns, M. Wolinetz, and A. Miele (2015). *Electrifying Vehicles: Insights from the Canadian Plug-in Electric Vehicle Study*, Prepared for Natural Resources Canada, June 25, 2015.
23. Wolinetz, M. and **J. Axsen** (2014). *The Renewable and Low Carbon Fuel Requirement Regulation: Current Impacts and Future Potential of British Columbia's Transportation Fuel Regulation*, Report, Prepared by Navius Research for public release, August, 2014.
24. **Axsen, J.**, H. J. Bailey, and G. Kamiya (2013). *The Canadian Plug-in Electric Vehicle Survey (CPEVS 2013): Anticipating Purchase, Use, and Grid Interactions in British Columbia*, Preliminary Report, Prepared for BC Hydro and the British Columbia Government, October 31, 2013.
25. **Axsen, J.**, and K. Kurani (2012). *Plug-in Vehicles and "Green" Electricity: A Survey of U.S. new car buyers*. Prepared for BMW of North America, LLC, Submitted May 31, 2012.



26. **Axsen, J.**, C. Orlebar and S. Skippon (2011). *Social Influence and Consumer Perceptions during a U.K. Workplace EV Trial*. Report Submitted to Shell Global Technology, November 30, 2011.
27. **Axsen, J.** (2010). *Interpersonal Influence within Car Buyers' Social Networks: Observing Consumer Assessment of Plug-in Hybrid Electric Vehicles (PHEVs) and the Spread of Pro-Societal Values*. Institute of Transportation Studies, University of California, Davis, PhD Dissertation, Research Report UCD-ITS-RR-10-15.
28. Kurani, K.S., **J. Axsen**, N. Caperello, J. Davies, and T. Stillwater (2009). *Learning from Consumers: Plug-in Hybrid Electric Vehicle (PHEV) Demonstration and Consumer Education, Outreach*, Market Research Program. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-09-21.
29. **Axsen, J.**, and K.S. Kurani (2008). *The Early U.S. Market for PHEVs: Anticipating Consumer Awareness, Recharge Potential, Design Priorities, and Energy Impacts*. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-08-22.
30. **Axsen, J.**, A. Burke, and K.S. Kurani (2008). *Batteries for Plug-in Hybrid Electric Vehicles (PHEVs): Goals and the State of Technology circa 2008*. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-08-14.
31. **Axsen, J.** (2006). *Combining Stated and Revealed Choice Research to Inform Energy System Simulation Models: The Case of Hybrid Electric Vehicles*, Master's Thesis, Simon Fraser University.
32. **Axsen, J.**, J. Nyboer and C. Bataille (2005). *Goods-Producing Small to Medium-Sized Enterprises: Energy End Use and Efficiency Potentials*, Prepared for Natural Resources Canada, Canadian Industrial Energy End-Use Data and Analysis Centre (CIEEDAC), March 2005.

#### **OTHER PUBLICATIONS (Newspaper and magazines, 7 total published)**

1. Neville, I. and **J. Axsen** (2017). Canadian are ready to take the electric vehicle plunge (Op-Ed), *The Huffington Post*, June 6, 2017
2. **Axsen, J.** (2017). How to get more electric vehicles on the road, *The Conversation*, December 12, 2017.
3. **Axsen, J.** (2017). Making electric vehicles happen in Canada. *Policy Options*, January 3, 2017.
4. **Axsen, J.** (2015). BC should enact a zero-emissions mandate: Electric vehicles are an easy route to revving up climate change abatement (Op-Ed), *Vancouver Sun* and *Montreal Gazette*, September 16, 2015.
5. **Axsen, J.** (2015). In climate policy, can public ignorance be bliss? *Policy Options*, January-February, 2015.
6. Wolinetz, M. and **J. Axsen** (2014). B.C. clean fuel regulation works: Let's keep it clean, clear cut and strong (Op-Ed), *Vancouver Sun*, September 24, 2014.
7. **Axsen, J.** (2011). B.C. government's plan to construct three LNG plants counters CO2 reduction efforts (Op-ed), *Vancouver Sun*, November 14, 2011.

#### **SELECTED ACADEMIC CONFERENCES & PRESENTATIONS (Total: +100, examples since 2013)**

- 2020 (8 total)**
- *Transportation Research Board (TRB) 99<sup>th</sup> Meeting*, Washington, DC. January 12-16, 2020.
- 2019 (8 total)**
- *The International Council on Clean Transportation*, Ottawa, ON, June 12.
  - *Transportation Research Board (TRB) 98<sup>th</sup> Meeting*, Washington, DC. January 13-17, 2019.
- 2018 (10 total)**
- *The Karlsruhe Institute of Technology (KIT)*, Karlsruhe, Germany, March 28.

- *Vulcan and Paul G. Allen Philanthropies* (Webinar), February 16.
- *World Conference on Transport Research Society (WCTRS): Special Interest Group on Transport, Climate Change and Clean Air*, Paris, France. June 21-22, 2018.

#### **2017 (23 total – sabbatical year)**

- *The International Institute for Applied Systems Analysis (IIASA)*, Vienna, Austria, Dec 17.
- *The Tyndall Centre for Climate Change, University of East Anglia*, UK, November 15.
- *Transport Studies Unit, University of Oxford*, UK, November 7, 2017.
- *The Science & Policy Research Unit (SPRU), University of Sussex, UK*, Oct 24, 2017
- *David Suzuki Foundation retreat*, Whistler, BC, June 13.
- *The Electric Vehicle Symposium (EVS-30)*, Stuttgart, Germany. October 9-11, 2018.
- *International Conference on Energy Research & Social Sciences*, Barcelona, Spain, Apr 2017.

#### **2016 (12 total, 3 by graduate students or researchers)**

- *Managing Decarbonization*, UBC, Vancouver, Canada, October 27-28, 2016.
- *Electric Vehicle Symposium 29 (EVS-29)*, Montreal, QC, June 29-22, 2016.
- *International Energy Agency workshop on Transport, Energy Efficiency and Behaviour*, May 10-11, 2016, Paris, France.
- *Electric Vehicle Experts Workshop*, Gothenberg, Sweden, April 19-20, 2016.
- *GLOBE 2016*, Vancouver, BC, March 2-4, 2016.
- *Research Workshop on the Social and Historical Dimensions to Transport*, Copenhagen, Denmark, February 19, 2016.

#### **2015 (18 total, 6 by graduate students or researchers)**

- *King Abdullah Petroleum Studies and Research Center (KAPSARC 2015)*, November 9-10, 2015, transportation workshop.
- *Our Common Future Under Climate Change (CFCC 2015)*, July 7-10, 2015, Paris, France.
- *International Energy Agency (IEA) Noon Talk*, July 6, 2015, Paris, France.
- *BMW Electric Mobility Research Group*, July 1, 2015, Munich, Germany.
- *Renewable Cities Global Learning Forum, Vancouver, BC, May 13-15, 2015.*

#### **2014 (14 total, 5 by graduate students)**

- *Electric vehicle conference (EVVE 2014)*, Oct. 28-30, 2014, Vancouver, BC,
- *International Environment and Development Research Centre (CIRED)*, Paris, France, Sept 15, 2014.
- *International Society of Ecological Economics (ISEE 2014)*, Reykjavik, Iceland, Aug 2014.
- *Environment Canada*, Gatineau, QC, May 7, 2014.

#### **2013 (8 total)**

- *International Conference on Advances in Energy Research (ICAER)*, Indian Institute of Technology Bombay, Mumbai, India, December 10-12, 2013.
- *Behavior, Energy and Climate Change (BECC 2013)*, Sacramento, California, Nov 2013.
- *Unlocking the potential of smart grids: A partnership to explore policy dimensions*, Wakefield, Quebec, May 1-3, 2013 (part of a SSHRC Partnership Development Grant).
- *Transportation Research Board 92<sup>nd</sup> Annual Meeting (TRB 2013)*, Washington, DC. Jan 2013
- *U.S. Department of Energy*, Washington, D.C., January 17, 2013.

## **TEACHING**

### **Courses**

1. **REM-355 Sustainable Transportation Management (3 times), SFU, Fall 2018, 2019, 2020**  
3-credit undergraduate course. I developed the curriculum, and ran the course for the first time in Fall 2018 with 27 students. Fall 2019 had 25 students.
2. **REM-658: Research Methods for Social Sustainability (8 times), SFU, Spring 2012-2017, 2019-20.**  
5-credit graduate course with 10-14 students (meets 4 hours per week for 13 weeks).
3. **REM-321: Ecological Economics (9 times), SFU, Fall 2011-2016, 2018-20.**

- 4-credit undergraduate course with ~100 students (3 hours per week, 1 hour tutorial).
4. **REM-100: Global Change (twice), SFU, Spring 2016-17.**  
3-credit undergraduate course with 120-150 students.
  5. **REM-621: Ecological Economics (3 times), SFU, Fall 2012, 2013, 2014.**  
5-credit graduate course with 24-30 students (meets 4 hours per week for 13 weeks).  
Fall 2014: Average course evaluation: 3.6/4.0, Average instructor evaluation: 3.8/4.0  
All students (100%) rated the course and instructor as an “A” or “B”.
  6. **ECI-163 Energy and Environmental Aspects of Transportation (1 time), UC Davis, Fall 2010.**  
3-credit undergraduate course with 108 students (3 hours lecture per week)  
Served as co-lecturer with Professor Daniel Sperling.

#### **Guest lectures**

- REM-100: Global Change (multiple times), SFU.**  
**REM-200: Intro to REM in Canada (multiple times), SFU.**  
**REM-350: Sustainable Energy Management and policy (multiple times), SFU.**  
**Econ-450: Environmental Economics, SFU.**  
**PSYC-391: Environmental Psychology (Multiple times), SFU/**  
**REM-650: Energy Management and Policy (2 times), SFU, 2011, 2014.**  
**REM-802: Research methods for Ph.D. students (4 times), SFU, 2012-15.**  
**REM-356: Institutions and environmental policy, SFU, Spring 2015.**

#### **Training**

- “**Rethinking Teaching**” Curriculum Design Workshop, 4-day workshop, SFU (April 26-May 1, 2012).  
**Instructional Skills Workshop (ISW)**, 3-day workshop, SFU (May 2-4, 2012).  
 “**Collaborative Connections: Develop a Community of Learners in Your Classroom and Beyond,**” six-part workshop, University of California, Davis (May-June, 2010).

#### **Leadership**

- Invited presenter for “**Teaching with Technology**” workshop, SFU (February 27, 2017).  
 Invited co-faciliator of “**Rethinking Teaching**” Curriculum Design Workshop, 4-day workshop, SFU (Twice: April 18-23, 2013 and April 24-29, 2014).

### **SENIOR SUPERVISORY DUTIES**

#### **Ph.D. students in progress (2)**

1. Bhardwaj, Chandan, Ph.D Candidate in Resource Management, Fall 2016 to present, **passed proposal exam March 2018.**
2. Gauer, Viviane, Ph.D student in Resource Management, Fall 2019 to present.

#### **Master’s students in progress (3)**

1. McBain, Sarah, Master’s of Resource Management (M.R.M.), Fall 2019 to present.
2. Barr, Julianne, Master’s of Resource Management (M.R.M.), Fall 2019 to present.
3. Aubertin, Audrey, Master’s of Resource Management (M.R.M.), Fall 2018 to present.

#### **Graduated Master’s students (16)**

4. Kitt, Shelby, Master’s of Resource Management (M.R.M.), **Defended October 2019.**
5. Miller, Inger, Master’s of Resource Management (M.R.M.), **Defended February 2019.**
6. Hammond, William, Master’s of Resource Management (M.R.M.) “Modeling technology and policy in Canada’s freight transportation sector.” **Defended January 2019.**
7. Miele, Amy, Master’s of Resource Management (M.R.M.), “Market assessment of consumer acceptance of alternative fuel vehicles: A survey of Canadian new vehicle buyers.” **Defended July 2018.**

8. Brunner, Todd, Master's of Resource Management (M.R.M.), "Citizen acceptance of unconventional fossil fuel infrastructure in Canada." **Defended April 2018.**
9. Long, Zoe, Master's of Resource Management (M.R.M.), "Market potential for alternative fuel technology: Modeling future market shares for alternative fuel passenger vehicles." **Defended January 2018.**
10. Matt Bakker, Master's of Resource Management (M.R.M.), "Modeling fishing decisions of anglers." **Defended June 2017.**
11. Lepitzki, Justin, Master's of Resource Management (M.R.M.), "Designing a low-carbon fuel standard for British Columbia: Insights from a hybrid energy-economy simulation model." **Defended March 2017.**
12. Cairns, Joshua, Master's of Resource Management (M.R.M.), "Plug-in electric vehicle buyers in British Columbia: Understanding motives and usage patterns." **Defended March 2016.**
13. Sykes, Maxwell, Master's of Resource Management (M.R.M.), "Prioritizing plug-in vehicle policy strategies by Canadian region." **Defended January 2016.**
14. Peters, Derek, M.R.M., "Assessing 'smart grid' opportunities and barriers through media analysis." **Defended March 2015.**
15. Kamiya, George, M.R.M., "Greenhouse gas impacts from plug-in vehicle use in Canadian regions: Comparing BC, Alberta and Ontario." **Defended September 2015.**
16. Langman, Brad, Master's of Resource Management (M.R.M.), "Understanding consumer demand for PEVs and green electricity using qualitative interviews." **Defended August 2015.**
17. Moulé, Danette, M.R.M., "Exploring pro-environmental lifestyles and values in Canada." **Defended January 2015.**
18. Mascarenhas, Karen, M.R.M., "Public acceptance of carbon capture and storage in Alberta regions." **Defended September 2014.**
19. Fox, Jacob, M.R.M., "Comparing the societal costs of technologically-neutral and technologically-specific climate policies." **Defended May 2013.**

#### **Undergraduate students, Honors or Capstone (2 completed)**

1. Gamiz, Mirtha, Bachelor of Environment, Capstone Project, **Fall 2018**, "Mobility as a Service in Metro Vancouver."
2. Miele, Amy, Bachelor of Environmental Science, Honours thesis, Winter 2014, "Visibility of Electric Vehicle Charging Infrastructure: Is Awareness of Public Charging Stations Associated with Consumer Interest in Plug-in Electric Vehicle Purchase," **Graduated May 8, 2014.**

#### **Post-doctoral scholars**

1. Kormos, Christine (Ph.D), March 2016 to August 2019.
2. Dusyk, Nichole (Ph.D), July 2014 to Fall 2017

#### **Undergraduate research assistants**

1. Long, Zoe, Research assistant, January to August 2015.
2. Salihue, Hafsa, Research assistant, January to June 2015.
3. Cutler, Geoff, Research assistant, November 2014 to July 2015.
4. Geeves, Kimberley, Research assistant, November 2014 to July 2015.
5. Spira, Marta, Research assistant, November 2014 to July 2015.
6. Roy-Wright, Gabe, Research assistant, March 2014 to July 2015.
7. Miele, Amy, Research assistant, March-August 2014.
8. Agoes, Intan, Research assistant, March-August 2014.
9. Naghshinepour-Esfahani, Negar, Research assistant, March-August 2014.
10. Dullemond, Kia, Research assistant, May 2013 to July 2015.

#### **Research associates (3 presently active)**

1. Long, Zoe, Research Manager, February 2018 to present.
2. Wolinetz, Michael (M.R.M), Research associate, July 2014 to present.

3. Melton, Noel (M.R.M), Research associate, November 2013 to present.
4. Goldberg, Suzanne (M.R.M), Research associate, September 2013 to 2017.
5. Groves, Steven (M.R.M), Research associate, June 2012 to March 2013.
6. Mau, Paulus (M.R.M), Research associate, January 2013 to March 2015.

### **SERVING ON STUDENT COMMITTEES (NOT AS SENIOR SUPERVISOR)**

#### **Master's students (1 defended)**

1. Crampton, Stefan, M.R.M Fall 2012 to present, "Assessing the potential for nutrient credits and other market-based instruments as incentives for the Canadian salmon farming industry to adopt IMTA technology." [Senior supervisor is Dr. Duncan Knowler of Simon Fraser University.] **Defended January 6, 2016.**

#### **Ph.D. students (3 graduated)**

1. Ladjevardi, Mojtaba, Ph.D. (University of Victoria, Mechanical Engineering). Fall 2014 to Dec 2019, "Investigation for future sustainable development of BC in respect to prospective LNG export strategy," [Senior supervisor is Dr. Curran Crawford of the University of Victoria.] **Defended December 11, 2019.**
2. Petropavlova, Ekatrina, Ph.D. (SFU, REM). Spring 2011 to 2016, "Public acceptance of climate policy in BC." [Senior supervisor is Dr. Mark Jaccard of Simon Fraser University.] **Defended May 25, 2016.**
3. Bailey, Harry Joseph, Ph.D. (SFU, REM). Fall 2011 to November 2015, "A joint discrete choice model of plug-in vehicle buyer's purchase and recharge behaviour." [Senior supervisor is Dr. Karen Kohfeld of Simon Fraser University.] **Defended November 20, 2015.**

### **SERVING ON PH.D. AND MASTER'S DEFENSE COMMITTEES (5 total)**

1. Chen, Sibio, Ph.D. (SFU, Communications) February 2020, "Communicating Liquefied Natural Gas: Extractivist Politics and Discourse in British Columbia." **Defended Feb 18, 2020**
2. Torne, Steve, Master's thesis (SFU, Urban Studies), April 2019. "The Rationale behind Vancouver's Bike Share Program." **Defended April 12, 2019.**
3. Healey, Steven, PH.D. (SFU, REM), November 2018: "Probing the Climate Target and Climate Policy Implications of Abundant Natural Gas in North America." **Defended November, 2018.**
4. Conrad, Steven, Ph.D. (SFU, REM), Summer 2016, "The use of discrete choice experiments and a coupled socio-hydrological model to inform water policymaking in the Okanagan region of British Columbia" **Defended August 25, 2016.**
5. Murphy, Rose, Ph.D. (SFU, REM), Fall 2013, "Use of empirically-based models to evaluate the potential of energy efficiency and forest carbon sequestration for mitigating climate change." **Defended November 25, 2013.**

### **SERVING ON PH.D. COMPREHENSIVE EXAMS (8 total)**

1. Nielsen, Julie (REM, SFU) November 2016, Forest Policy, First Nations and Western Redcedar: Ecosystem-based Management and Cultural Tradition on the Central Coast of British Columbia. [Economics breadth examiner.]
2. Spiliotopoulou, Maria (REM, SFU) March 2016, Sustainable Community Development through the conceptual lens of productivity. [Economics breadth examiner.]
3. Solis, Rodrigo, (REM, SFU) Summer 2015, "Coupled social-ecological model for trans-boundary wildlife conservation: The case of the Monarch butterfly migration." [Economics breadth examiner.]
4. Welch, Kristina, (REM, SFU) Spring 2015, "Understanding the social development of rural resource-based economies." [Economics breadth examiner.]

5. Burt, Jenn, (REM, SFU) Spring 2015, “Social-ecological transitions in high latitude temperate reef ecosystems.” [Economics breadth examiner.]
6. Benner, Jordan, (REM, SFU) Fall 2014, “Integrating communities into ecosystem-based management.” [Economics breadth examiner.]
7. Breen, Sarah, (REM, SFU) Fall 2012, “From Staples to Sustainability: New Regionalism and the future of infrastructure in rural Canada.” [Economics breadth examiner.]
8. Malick, Mike, (REM, SFU) Spring 2012, “Linking climate variability, ocean processes, and Pacific salmon population dynamics.” [Chair.]

### **SUPERVISION OF TEACHING ASSISTANTS (25 total)**

1. McBain, Sarah, REM-321, Ecological Economics, 3 tutorials, Fall 2020.
2. Bhardwaj, Chandan, REM-321, Ecological Economics, 2 tutorials, Fall 2020.
3. Gauer, Viviane, REM-355, Sustainable Transportation, 2 tutorials, Fall 2020.
4. Aubertin, Audrey, REM-321, Ecological Economics, 3 tutorials, Fall 2019.
5. Bhardwaj, Chandan, REM-321, Ecological Economics, 2 tutorials, Fall 2019.
6. Gauer, Viviane, REM-355, Sustainable Transportation, 2 tutorials, Fall 2019.
7. Bhardwaj, Chandan, REM-321, Ecological Economics, 1 tutorials, Fall 2018.
8. Bhardwaj, Chandan, REM-355, Sustainable Transportation Mgmt, 2 tutorials, Fall 2018.
9. Kitt, Shelby, REM-321, Ecological Economics, 3 tutorials, Fall 2018.
10. Long, Zoe, REM-100, Global Change, two tutorials, Spring 2017.
11. Willis, Celina, REM-100, Global Change, two tutorials, Spring 2017.
12. Thomas, Gwyn, REM-100, Global Change, two tutorials, Spring 2017.
13. Boron, Jonathan, REM-100, Global Change, two tutorials, Spring 2017.
14. McGowan, Aimee, REM-100, Global Change, two tutorials, Spring 2017.
15. Hammond, William, REM-321, Ecological Economics, two tutorials, Fall 2016.
16. Miele, Amy, REM-321, Ecological Economics, two tutorials, Fall 2016.
17. Nielson, Julie, REM-100, Global Change, three tutorials, Spring 2016.
18. Schroeder, Amanda, REM-100, Global Change, three tutorials, Spring 2016.
19. Ladell, Neil, REM-100, Global Change, three tutorials, Spring 2016.
20. Brunner, Todd, REM-321, Ecological Economics, three tutorials, Fall 2015.
21. Lepitzki, Justin, REM/ENV-321, Ecological Economics, three tutorials, Fall 2014.
22. Langman, Brad, REM/ENV-321, Ecological Economics, three tutorials, Fall 2013.
23. Kamiya, George, REM/ENV-321, Ecological Economics, three tutorials, Fall 2012.
24. Irwin, Kim, REM-621, Ecological Economics, Fall 2011.
25. Lutes, Kristin, REM/ENV-321, Ecological Economics, two tutorials, Fall 2011.

### **MEDIA EXPOSURE**

#### **Print (newspaper/magazine, ~75 total, shown since 2013 only)**

- 2020: 3 articles (Vancouver Sun, Phy.org)  
 2019: 4 articles (Globe and Mail, Vancouver Sun)  
 2018: 15 articles (Globe and Mail, Bloomberg, CBC news, Automotive News, Financial Post)  
 2017: 4 articles (Clean Technica, Singularity Hub, SFU Peak)  
 2016: 16 articles (Vancouver Sun, Globe and Mail, Pique, National Observer, Business Vancouver)  
 2015: 17 articles (News 1130, Business Vancouver, the Province, Global News, CleanTechnica)  
 2014: 13 articles (News 1130, Vancouver Sun, Washington Post, Grist, the Province, UK Daily)  
 2013: 9 articles (Time Colonist, News 1130, 24 Hours, Metro, Vancouver Sun)

### **Television (3 appearances, total)**

2019: 1 appearance, CBC the National

2018: 1 appearance (CBC the National), and informed PBS NewsHour

2015: 2 appearances (Global News)

### **Radio (28 total)**

2020: 2 interviews (CBC, CFX)

2018: 3 interviews (CBC, CFX, Australia Broadcast ratio)

2017: 1 interview (Roundhouse Radio)

2016: 16 interviews, including CBC radio (13), CKNW and Roundhouse

2015: 1 interview (CBC radio)

2014: 3 interviews (CFX, CKNW)

2013: 1 interview (CFX)

2012: 1 interview (CBC)

2011: 2 interviews (CBC, CFX)

### **RESEARCH FUNDING**

**Grants** (Total funds won for my SFU research team from 2011-2020: ~\$1.7 million)

1. **Translink New Mobility Grant**, principal investigator, \$50k, 1 year (2019-20).
2. **SSHRC Insight Grant**, principal investigator, “Autonomous vehicles as really new products with societal impacts: Exploring Canadian consumers' perceptions with a mixed method approach,” \$237k, four years, awarded May 2019.
3. **Tesla**, principal investigator, “PEV policy in British Columbia”, \$6k, 2017.
4. **Metcalf organization**, principal investigator, “Canada’s ZEV Policy Handbook”, \$40k, 2017.
5. **Metro Vancouver and City of Vancouver**, principal investigator, “Canada’s Alternative Fuel Vehicle Survey”, \$23k, 2016-2017.
6. **Pacific Institute of Climate Solutions (PICS) Transportation Future for British Columbia**, co-investigator, lead of Theme 1 at SFU (Principal investigator is Dr. Walter Merida at UBC), where Theme 1 is “Integrated social, economic and technical analysis of the transportation market and public policy,” \$1.5 Million for five years (2015-2020). [\$280k for SFU]
7. **SFU Community Trust Endowment Fund**, co-investigator (Principal investigator is Dr. Erik Kjeang), “Developing affordable low-carbon vehicle technologies to meet climate goals: A social, economic and technical analysis of the market and public policy,” \$1.25 million for 5 years, 2015-2021. [~\$300k for my research team]
8. **Metcalf organization**, co-investigator, “Canada’s Electric Vehicle Policy Report Card, \$30k, August to November 2016.
9. **NRCan ecoENERGY Innovation Initiative “Add-on” grant**, primary co-investigator (Principal Investigator is Dr. Curran Crawford), “Powering plug-in electric vehicles with renewable energy supply in BC,” \$244k, one year add-on for 2015/16 fiscal year. [\$174k sub-grant for my research group.]
10. **Province of British Columbia: Clean-energy vehicle fund**, principal investigator, “The effects of a low-carbon fuel standard on Clean-Energy Vehicle (CEV) diffusion in BC: An energy-economy approach” \$25k, 2 years funding for one Master’s student, awarded March 2013.
11. **NRCan ecoENERGY Innovation Initiative R&D Contribution Initiative**, primary co-investigator (Principal Investigator is Dr. Curran Crawford), “Powering plug-in electric vehicles with renewable energy supply in BC,” \$600k, four years, awarded March 2013. [\$227k sub-grant for my research group.]
12. **SSHRC Insight Development Grant**, principal investigator, “Transitioning to sustainable lifestyle practices in Canada,” \$54k, one year, awarded July 2012.

13. **SSHRC Insight Grant**, principal investigator, “Socio-technical transitions to low-carbon consumption: Assessing Canadian consumers’ readiness for electric-mobility,” \$223k, three years, awarded May 2012.
14. **SSHRC Partnership Development Grant**, co-investigator (Principal Investigators are Drs. Ian Rowlands and James Meadowcroft), “Unlocking the potential of smart grids: A partnership to explore economic, social and policy dimensions,” \$180k, three years. Awarded May 2012. [Resulted in \$40k sub-grant for my research group.]
15. **SFU President’s Research Start-up Grant**, principal investigator, \$40k, two years, Awarded September 2011.

**Student scholarships** (total of ~\$300k for SFU students)

1. Bhardwaj, Chandan, Mitacs-Navius grant, 2020, Ph.D scholarship (SFU, \$15k)
2. Aubertin, Audrey, Mitacs-Navius grant, 2019, Master’s scholarship (SFU, \$15k)
3. Barr, Julianne, BC Graduate scholarship, 2018, Master’s scholarship (SFU, \$20k)
4. Kitt, Shelby, SSHRC, 2018, Master’s scholarship (SFU, \$17k)
5. Hammond, William, SSHRC, 2016, Master’s scholarship (SFU, \$17k)
6. Long, Zoe, SSHRC, 2015, Master’s scholarship (SFU, \$17k)
7. Salihue, Hafsa, VPR USRA, 2014, (SFU, \$2k)
8. Cairns, Josh, SSHRC, 2013, Master’s scholarship (SFU, \$17k)
9. Peters, Derek, SSHRC, 2013, Master’s scholarship (SFU, \$17k)
10. Sykes, Maxwell, SSHRC, 2013, Master’s scholarship (SFU, \$17k)
11. Ladjevardi, Mojtaba, PICS, 2013-15, Energy and Water fellowship (UVIC, \$54k)
12. Rhodes, Katya, SSHRC Vanier Ph.D. 2013-15, Ph.D. Scholarship (SFU, \$150k).
13. Fox, Jacob, SSHRC (2012), Master’s scholarship (SFU, \$17k)

**HONORS AND AWARDS**

1. **Dean’s Award of Excellence in Research 2019**, Simon Fraser University.
2. Finalist for “**Sustainable Business**”, City of Surrey
3. “**Best poster award**”: at the International *Energy Research & Social Science* (ERSS) Conference in Barcelona, Spain, selected as #1 out of 118 posters (March, 2017)
4. **Scholar for Dissertations Initiative for the Advancement of Climate Change Research** (DISCCRS VI), NSF and NASA sponsored symposium, Colorado Springs, Colorado, November 22-29, 2011. [35 scholars selected from over 200 applicants.]
5. International Transportation Forum (OECD), **Young Researcher of the Year**, (\$7,000), 2011. [Selected from 40 submissions from 22 countries.]
6. Winner: **Outstanding Ph.D. Dissertation in Transportation Technology and Policy** (\$1,500), UC Davis, 2010
7. **Eno Fellow in Transportation Leadership Development**, week-long policy training in Washington, D.C., 2010.
8. **Chevron Corporate Fellowship** (\$9,000), UC Davis, 2009.
9. Social Sciences and Humanities Research Council of Canada: **SSHRC Doctoral Fellowship** (\$80,000), 2007 – 2010.
10. **Canadian Institute of Energy Scholarship Award** (\$750), Simon Fraser University, spring 2006.
11. **British Columbia Automobile Association Environmental Studies in Transportation Award** (\$800), Simon Fraser University, fall 2005.
12. Social Sciences and Humanities Research Council of Canada: **SSHRC Master’s Scholarship** (\$17,000), 2004 – 2005 academic year.
13. **World Petroleum Congress Scholarship** (\$3,000), Simon Fraser University, 2003.
14. **Mildred Wirtanen Academic Scholarship** (\$4,000), Simon Fraser University, 2003.



15. **SFU Open Scholarship** (\$4,500), Simon Fraser University, 2002 – 2003.
16. **Connell Prize in Corporate Finance** (\$300), Murdoch University, spring 2002.

### **COMMITTEE SERVICE (12 total, 3 presently active)**

#### **Department specific (REM)**

1. REM Graduate Curriculum Committee, 2019-present
2. REM Undergraduate Curriculum Committee, 2011-15, 2016-17, 2018-19
3. REM Alumni Association, 2015-2017.
4. REM Tenure and Promotion Committee, 2014-15, 2016-17, 2020-21.
5. REM Teaching Load Committee, 2016.

#### **University-wide (SFU)**

6. SFU Sustainable Mobility committee, 2013-2018.
7. SFU Research Ethics Board, 2014-2016
8. SFU Environmental Science Steering committee, 2012-2016.

#### **Broader community**

9. Member of “International Electric Vehicle Policy” team, based out of University of California, Davis, Spring 2016-present.
10. BC Government, Renewable and Low Carbon Fuels Technical Advisory Working Group, June 2013 to present.
11. Invited “national expert” to represent Canada in the International Energy Agency’s (IEA) “Implementing Agreement for the co-operation on Hybrid and Electric Vehicle Technologies and Programmes (IA-HEV)”, from February 2017 to November 2018.
12. SSHRC Insight Grant Adjudication Committee for Environmental Studies (2 times), spring 2013 and spring 2014.

### **SERVICE TO COMMUNITY AT LARGE (including 12 public presentations total)**

#### **2017**

1. Invited speaker: David Suzuki Foundation, “Climate policy and electric vehicles,” Whistler conference center, June 13, 2017

#### **2016**

2. Clean Energy Canada, University of Ottawa, December 5, 2016.
3. Equiterre, Montreal, QC, December 6, 2016.
4. Pacific Institute for Climate Solutions (PICS), SFU Burnaby, BC, March 16, 2016.
5. REM Ph.D. talks, SFU Burnaby, April 4, 2016.

#### **2015**

6. BC Hydro Vancouver, BC, February 13, 2015.
7. Western Canadian Biodiesel Association, Vancouver, BC, May 22, 2015.

#### **2014**

8. Invited participant: PICS Transportation planning session, Vancouver, BC, September 11, 2014.
9. New Energy Iceland, Reykjavik, Iceland, August 20, 2014.
10. University Centre of Westfjords, Isafjordur, Iceland, August 18, 2014.
11. BC Government, Sheraton Vancouver Airport, Richmond, BC, May 21, 2014.
12. BC Government, Sheraton Vancouver Airport, Richmond, BC, April 16, 2014.
13. Carbon Management Canada, Morris J. Wosk Center for Dialogue, Vancouver, BC, April 11, 2014
14. Cool Drinks, North Vancouver, February 11, 2014.
15. SFU Institute for the Humanities, SFU Harbour Center, January 21, 2014.

#### **2013**

16. Thompson River University, Kamloops, BC, April 11, 2013.

17. Pacific Institute for Climate Solutions, UBC Robson Square, February 21, 2013.
18. Participant: “Five ideas for climate action in British Columbia,” facilitated by the Pacific Institute for Climate Solutions, Vancouver, BC, December 2012 and January 2013.

## 2012

19. SFU’s Faculty of Environment Speaker Series, SFU, Burnaby, BC, March 23, 2012.

## 2011

20. Metro Vancouver Sustainable Region Initiative, Vancouver, BC, November 3, 2011.

## PEER REVIEW

### Associate Editor (I personally handle over 50 manuscripts per year)

1. *Energy Research and Social Science* (2019 to present)

### Member of Editorial Committees (I review 4-6 papers for each every year)::

2. *Transportation Research Part D: Transport and Environment* (2018 to present)
3. *US National Academies Transportation Research Board* (TRB, February 2017 to present),  
*Alternative Transportation Fuels and Technologies Committee*

### Reviewed Academic Journals and Conferences (usually 12-20 reviews per year, I receive several hundred invitations to review each year):

1. *Nature Energy*
2. *Energy Research and Social Science*
3. *2012 ASME International Design Engineering Technical Conference*
4. *ASME Journal of Mechanical Design*
5. *Canadian Public Policy*
6. *Ecological Economics*
7. *Energies*
8. *The Energy Journal*
9. *Energy Policy*
10. *Environmental Science and Technology*
11. *Geoforum*
12. *Global Environmental Change*
13. *International Journal of Electric Power and Energy Systems*
14. *Journal of Cleaner Production*
15. *Journal of Environmental Psychology*
16. *Resource and Energy Economics*
17. *Transportation Research Part A: Policy and Practice*
18. *Transportation Research Part C: Emerging Technologies*
19. *Transportation Research Part D: Environment and Transport*
20. *Transportation Research Part E: Logistics and Transportation Review*
21. *Transportation Research Board (Of the U.S. National Academies)*
  - *Transportation Energy Committee*
  - *Alternative Transportation Fuels and Technologies Committee*
  - *Traveler Behavior and Values Committee*

### Reviewed Grant Applications:

1. *US National Center for Sustainable Transportation (NCST)*
2. *UC Berkeley Transportation Center (UCTC)*
3. *UCLA Transportation Center*
4. *Vanderbilt University*

5. Invited reviewer for adjudication of 2013 *Social Sciences and Humanities Research Council (SSHRC) of Canada*, Insight Grants in “Canadian Environmental Issues” and “Northern Communities: Towards Social and Economic Prosperity” (March 4-6, 2013).