Brett Williams, MPhil (cantab), PhD (he, him)

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Summary

Principal advisor, researcher, and point person for: electric-vehicle consumer, market, and policy analysis; incentive program design, strategy, and evaluation; and stakeholder education. Speaker and media resource.

Grateful for international experience, passionate multi-disciplinary learner, prolific abuser of analogies, moves freely between worlds, mentor to the motivated, recharged by oceans, mountains, and animal interactions.

Education & Training

- **Postdoctoral Scholar**, Transportation Sustainability Research Center., Univ. of California, Berkeley, USA
  - Faculty Advisor: Prof. Dan Kammen; Supervisor: Dr. Tim Lipman
- **PhD**, Transportation Technology & Policy, University of California, Davis, USA
  - Advisors: Prof./CARB Board Member Dan Sperling, Drs. K. Kurani & T. Turrentine
  - Dissertation analyzed plug-in/plug-out and fuel-cell vehicles, vehicle-to-grid services and other Mobile Energy innovations
- **Business Development Cert./Fellowship**, Graduate School of Management, Univ. of California, Davis, USA
  - Inaugural class of PhD students awarded Fellowships to learn how to play with MBAs/investors
- **MPhil**, Environment & Development, Cambridge University, UK
  - 1st-equivalent thesis comparing hydrogen- and petroleum-based transportation
- **BA**, Physics/Public Policy Analysis, Pomona College (Claremont, CA, USA)
  - Thesis with distinction characterizing a Southern California alternative fuels program
  - Initiated Physics/Public Policy Analysis degree program

Professional Experience

Center for Sustainable Energy

Senior Principal Advisor, Electric Vehicle Programs *(2016–present)*

- Presenter, researcher, policy and strategy advisor, invited expert, and resource for the media
- Directs/advises/conducts a variety of program transparency, equity, evaluation, and research activities for six statewide electric vehicle (EV) rebate programs in the U.S. totaling over $1 billion administered on behalf of state agencies
  - Leads and guides EV program design, planning & projections, participation/equity analysis, EV market segmentation for outreach strategy, and assessment of market and emission impacts
  - Informs evidence-based decision-making with data characterizing over 500,000 EV consumers (including over 100,000 survey responses)
- Advises state & federal policymakers and public & private strategic planners throughout the EV ecosystem
  - Invited to the first White House EV Datathon, National Governors Association events, etc.
- Creates and communicates products that provide program improvement and market intelligence

Senior Project Manager, Plug-In & Fuel-Cell Electric Vehicle Initiatives *(2014–2016)*

- Led efforts to increase the transparency, understandability, and equity of electric-drive vehicle markets and the California Air Resources Board Clean Vehicle Rebate Project (CVRP)

- Managed staff responsible for analysis, and accessibility of CVRP rebate and survey data
- Engaged with a variety of high-level EV policy, planning, equity, and other multi-state stakeholders
- Developed new initiatives related to advanced-vehicle and alternative-fuel markets and products, infrastructure analysis, and energy storage

Luskin Center for Innovation, University of California, Los Angeles (UCLA)
Program Director, Electric Vehicles & Alternative Fuels *(2012–2014)*

- Analyzed advanced-vehicle and alternative-fuel markets and products, published net-present-valuation and uncertainty analysis of workplace charging cost-recovery, engaged in regional plug-in electric vehicle (PEV) readiness planning, and explored vehicle-to-grid (V2G), battery second life, and smart charging

Department of Public Policy, University of California, Los Angeles (UCLA)
Assistant Adjunct Professor *(2012–2014)*

- Teaching duties included invited lectures and a self-designed new course to teach fossil-fuel, combustion, electric, and hydrogen technologies and policies to policy, planning, and business students: "Electric-drive Vehicles: Technology & Policy."

Transportation Sustainability Research Center, University of California, Berkeley
Assistant Research Engineer *(2010–2012)*
Postdoctoral Scholar *(2008–2010)*

- Senior Researcher investigating electric-drive vehicles (plug-in-hybrid, fuel-cell, and battery)
- Research included: *Electric-fuel and plug-in-vehicle commercialization* for the California Energy Commission (including *battery secondary use* in collaboration with NREL, UC Davis, CSE, SDG&E, and AeroVironment); *Lifecycle emissions analysis*, and *Analysis of real-world vehicle deployments* (study of the household use of Toyota-made plug-in-hybrid and fuel-cell prototypes in partnership with Toyota, government agencies, and other organizations)

Ford Motor Company, California Fuel Cell Partnership Office, West Sacramento, California
Vehicle & Fuel Analyst *(2003–2004)*

- Supported education and outreach events (including one of the first fuel-cell-vehicle road rallies down the California coast), vehicle placements, and early commercialization planning

Rocky Mountain Institute, Old Snowmass, Colorado
Senior Research Associate *(1995–2000)*

- RMI's principal analyst of fuel-cell and alternative-fuel technology and infrastructure. Helped create and spin-off Hypercar, Inc. / FiberForge, a provider of efficient automotive design solutions
- *Consulted* for automotive, electronics, and energy firms (including Royal Dutch Shell)
- *Advised* government agencies in the U.S. and Europe; Member of the U.S. delegation to the 1999 G8 Environmental Futures Summit
- *Media*: contributed to radio, print, and online features, including *Wired*, *E*, and *Environmental Health Perspectives* magazines and ABCNews.com

Coverage & Professional Service (select)

- Presented work dozens of times to conferences, governments, and corporations in the U.S., Norway, U.K., Belgium, Germany, Japan, and China, and to government agencies and policymakers
- Contributed to and quoted on radio and in other media such as *Wired* and *E* magazines, the *Wall Street Journal Online*, *New York Times Online*, *Business Week*, and *New Scientist Online*.
- Invited expert: White House EV Datathon; National Governors Association panels, Multi-state ZEV Task Force and Automotive Alliance meetings, workshops to develop the State of California's multi-agency ZEV

Action Plan and V2G Roadmap; U.S. DOE EV Everywhere Grand Challenge; Advisory Panel member, RAND evaluation project of a state alt.-fuel program

- Invited Member of the National Academies of Science's Transportation Research Board Alternative Fuels Committee (2014–present, 3rd term)
    - Volunteer TRB Annual Meeting Paper Review Coordinator (2014–present)
- Invited Peer Reviewer: *Energy Economics* (IF 7.0, 12/376 in economics), *Energy Policy* (IF 6.1, 19/376 in economics), *Transportation Research D* (IF 5.5, 12/125 in environmental studies), *Transport Policy* (IF 4.7, 44/376 in economics), National Academies of Science, Engineering, and Medicine Transportation Research Board (TRB), the International Electric Vehicle Symposium (EVS), etc.
- Certified Peer Reviewer (Elsevier online course)
- Handling Editor of the journal *Transportation Research Record*

Videos (select, reverse chron.)

- Williams, B. D. H. (2022, May). Video: "HEC 2022 Panel - Electrification and Transportation," *Hawai'i Energy Conference (HEC)*, opening presentation minutes 2–10; 48-minute panel total. Slides.
- Williams, B. D. H. (2022, Mar.). Video: "CVRP 2020 Data Brief: Consumer Characteristics." *Second Workshop on Updated Light-Duty Vehicle and Clean Transportation Investments Three-Year Plan - YouTube*, California Air Resources Board, **time 1:05:43–1:26:09**. Slides.
- Williams, B. D. H. (2022, Feb.). Video: "Cost-Effectiveness of Greenhouse Gas Emission Reductions Associated with California's Clean Vehicle Rebate Project in 2019 (and 2020)." *First Workshop on Updated Light-Duty Vehicle and Clean Transportation Investments Three-Year Plan - YouTube*, California Air Resources Board, **minutes 2:01–2:31**. Slides.
- Williams, B.D. (2017, Apr.), Video: "Supporting EV Commercialization with Rebates: Statewide Programs, Vehicle & Consumer Data, and Findings," *Blueprint for Clean Energy,* Yale Center for Business and the Environment, 58 minutes. Slides.

Compilations of Recent Works by Subject / Project Summaries (reverse chron. by latest update)

- EV and Incentive Equity (2023, Jan. 30), ResearchGate Project Summary.
- EV Vehicle Replacement (2023, Jan. 27), ResearchGate Project Summary.
- EV Consumer Segmentation (2023, Jan. 27), ResearchGate Project Summary.
- Federal Tax Credit Influence: Select Resources with Related Content, (2023, Jan. 5), Clean Vehicle Rebate Project Program Reports Compilation.
- Electric Vehicle Emission Reductions and Incentive Cost-Effectiveness (2022, Dec. 9), ResearchGate Project Summary.
- California EV Rebate Program Impacts and Consumer Characteristics in 2020, (2022, Sep. 20), Center for Sustainable Energy Research and Reports Compilation.

Compilations of Works in Profiles

- ResearchGate (including 54+ recent works), ORCID (includes some older works, not as up-to-date)

Bibliography of select online works follows…

(or available upon request if not attached: publications, presentations/panels, quotes, data postings, etc.)

APPENDIX: Links to select online works

Publications (select, reverse chron.)

- B.D.H Williams and J.B. Anderson (2022, Sep.), From Low Initial Interest to Electric Vehicle Adoption: "EV Converts" in New York State's Rebate Program, *Transportation Research Record: Journal of the Transportation Research Board*. Includes open-access data-summary appendix. DOI: 10.1177/03611981221118537
- B.D.H. Williams (2022, Jun.), Targeting Incentives Cost Effectively: "Rebate Essential" Consumers in the New York State Electric Vehicle Rebate Program, Procs. *35th International Electric Vehicle Symposium (EVS35),* Session A3, AVERE.
- B.D.H. Williams, J.B. Anderson (2022, Jun.), Lessons Learned About Electric Vehicle Consumers Who Found the U.S. Federal Tax Credit Extremely Important in Enabling Their Purchase, Procs. *35th International Electric Vehicle Symposium (EVS35),* Session H3, AVERE.
- B.D.H. Williams (2022, Jan.), *Brief: PHEV Consumers Most Highly Influenced by the U.S. Federal Tax Credit*, Clean Vehicle Rebate Project. DOI: 10.13140/RG.2.2.24510.36168
- N. Pallonetti and B.D.H. Williams (2022, Jan.), Evaluating the Cost-Effectiveness of Greenhouse Gas Emission Reductions Associated with Statewide Electric Vehicle Rebate Programs in California and Massachusetts in 2019, for procs. *International Energy Program Evaluation Conference* (1st reschedule).
- B.D.H. Williams (2021, Oct.), *An Electric-Vehicle Consumer Segmentation Roadmap: Strategically Amplifying Participation in the New York Drive Clean Rebate Program*, Report 21-30, *Clean Transportation Reports*, NYSERDA.
- B.D.H. Williams and J.B. Anderson (2021, Sep.). *Supporting EV Adoption by Priority Populations: An Exploration of Factors Related to Being a Disadvantaged-Community Participant in the Drive Clean Rebate Program*. Task 5 Report for Contract 66267, conducted by the Center for Sustainable Energy for NYSERDA.
- B.D.H Williams and J.B. Anderson (2021, Jul.). *From Low Initial Interest to Electric Vehicle Adoption: An Exploration of Factors Related to Being an "*EV Convert*" Among Participants in the Drive Clean Rebate Program*. Task 4 Report for Contract 66267, conducted by the Center for Sustainable Energy for NYSERDA.
- N. Pallonetti and B. D. H. Williams (2021, Jul.), "Refining Estimates of Fuel-Cycle Greenhouse-Gas Emission Reductions Associated with California's Clean Vehicle Rebate Project with Program Data and Other Case-Specific Inputs," *Energies*, vol. 14, no. 15. DOI: 10.3390/en14154640.
- B.D.H. Williams and J.B. Anderson (2021, Apr.). *Targeting Electric Vehicle Rebates Cost Effectively: An Exploration of Factors Related to "*Rebate Essentiality*" Among Participants in the Drive Clean Rebate Program*. Task 3 Report for Contract 66267, conducted by the Center for Sustainable Energy for NYSERDA.
- B.D.H. Williams and J. B. Anderson (2021, Mar.), "Strategically Targeting Plug-In Electric Vehicle Rebates and Outreach Using 'EV Convert' Characteristics," *Energies*, vol. 14, no. 7, p. 1899. DOI: 10.3390/en14071899.
- B.D.H. Williams, J.B. Anderson, A. Lastuka (2020, Sep.), Characterizing Plug-in Hybrid Electric Vehicle Consumers Who Found the U.S. Federal Tax Credit Extremely Important in Enabling Their Purchase, in: 33rd Electr. Veh. Symp., Electric Drive Transportation Association (EDTA), EVS33, and Zenodo, Portland OR. DOI: 10.5281/ZENODO.4021408
- J.B. Anderson, B.D.H. Williams (2019), Report Sections, in: CARB (Ed.), Fisc. Year 2019-20 Funding Plan Clean Transp. Incent. - Appendix. C Updat. Three-Year Plan CVRP, ZEV Mark. Clean Transp. Equity Investments, Outreach, CARB.

- S. Hardman, P. Plötz, G. Tal, J. Axsen, E. Figenbaum, P. Jochem, S. Karlsson, N. Refa, F. Sprei, B.D. Williams, J. Whitehead, B. Witkamp (2019, Apr.), Exploring the Role of Plug-In Hybrid Electric Vehicles in Electrifying Passenger Transportation, International EV Policy Council, UC Davis Plug-in Hybrid and Electric Vehicle Research Center, 2019.
- B.D. Williams and N. Pallonetti (2019, May), Appendix B: Preliminary Estimation of Emission Reductions Associated with California's Clean Vehicle Rebate Project (CVRP) in *Assembly Bill 615 Report to the Legislature On the Impact of the Clean Vehicle Rebate Project On California's Zero-Emission Vehicle Market*, Legislatively Mandated Reports, CARB.
- Pallonetti, B.D. Williams (2019, Jan.), Exploratory Estimation of Greenhouse-Gas Emissions Reductions Associated with California's Clean Vehicle Rebate Project, 98th Annu. Meet. Transp. Res. Board, Lectern Session 1782, National Research Council, Washington DC.
- B.D. Williams, J. Orose, M. Jones, J.B. Anderson (2018, Oct.), *Summary of Disadvantaged Community Responses to the Electric Vehicle Consumer Survey, 2013–2015 Edition*, Program Reports, Clean Vehicle Rebate Project, Center for Sustainable Energy (CSE), San Diego CA. DOI: 10.13140/RG.2.2.36500.58243
- B.D. Williams, J.B. Anderson (2018, Sep.), Strategically Targeting Plug-in Electric Vehicle Rebates and Outreach Using Characteristics of 'Rebate-Essential" Consumers in 2016–2017, in: 31st Int. Electr. Veh. Symp. (EVS31), Society of Automotive Engineers of Japan, Inc., Kobe, Japan.
- B.D. Williams, C. Johnson (2018, Jan.), The Connecticut Dealer Incentive for Electric-Vehicle Sales: A Mixed-Methods Evaluation, in: 97th Annu. Meet. Transp. Res. Board, Transportation Research Board, National Research Council, National Academy of Sciences, Washington DC.
- C. Johnson, B.D. Williams, C. Hsu, J.B. Anderson (2017, Jun.), *Summary Documentation of the Electric Vehicle Consumer Survey, 2013–2015 Edition*, Program Reports, Clean Vehicle Rebate Project, Center for Sustainable Energy (CSE), San Diego CA. DOI: 10.13140/RG.2.2.31205.27367
- C. Johnson, B.D. Williams, J.B. Anderson, N. Appenzeller (2017, Jun.), *Evaluating the Connecticut Dealer Incentive for Electric Vehicle Sales*, Center for Sustainable Energy (CSE).
- CSE (2017), Drive EverGreen Electric Vehicle Incentive Pilot Program: Evaluation Report, Sonoma Clean Power.
- C. Johnson, B.D. Williams (2017, Jan.), Characterizing Plug-In Hybrid Electric Vehicle Consumers Most Influenced by California's Electric Vehicle Rebate, Transp. Res. Rec. 2628 (2017) 23–31. DOI: 10.3141/2628-03
- B.D. Williams, J.B. Anderson, C. Santulli, G. Arreola (2015, Oct.), *Clean Vehicle Rebate Project Participation Rates: The First Five Years*, Program Reports, Clean Vehicle Rebate Project, Center for Sustainable Energy (CSE), San Diego CA, 2015.
- B.D. Williams, J.B. Anderson (2016, Feb.), *Clean Vehicle Rebate Project Long Term Planning: Funding Needs for Fiscal years 2016–2017 thru 2018–19*, Program Reports, Clean Vehicle Rebate Project, San Diego CA.
- B.D. Williams, J.R. Deshazo, A.K. Shein, , T. Xu (2015). *Transportation Electrification Curriculum Development*, UCLA Luskin Center for Innovation, January 2015.
- B.D. Williams, J.R. DeShazo, Pricing Plug-in Electric Vehicle Recharging in Multi-unit Dwellings: Financial Viability and Fueling Costs, in: D. Beeton, G. Meyer (Eds.), Electr. Veh. Bus. Model., Springer, Cham, 2014: pp. 89–107.
- B.D. Williams, J.R. DeShazo, Pricing Workplace Charging: Financial Viability and Fueling Costs, Transp. Res. Rec. J. Transp. Res. Board. 2454 (2014) 68–75.
- M. Witt, M. Bomberg, T. Lipman, B.D. Williams, Plug-In Electric Vehicles in California: Review of Current Policies, Related Emissions Reductions for 2020, and Policy Outlook, Transp. Res. Rec. (2012) 155–162.

- B.D. Williams, Second Life for Plug-In Vehicle Batteries: Effect of Grid Energy Storage Value on Battery Lease Payments, Transp. Res. Rec. J. Transp. Res. Board. 2287 (2012) 64–71.
- J.R. DeShazo, A. Ben-Yehuda, V. Hsu, P. Kwon, B. Nguyen, J. Overman, T. Sarkisian, M. Sin, A. Turek, B.D. Williams, N. Wong, C. Zarate, *Southern California Plug-in Electric Vehicle Readiness Plan*, UCLA Luskin Center for Innovation, Los Angeles, 2012.
- Williams, B.D., Deshazo, J.R., Ben-Yehuda, A., 2012. *Early Plug-in Electric Vehicle Sales: Trends, Forecasts, and Determinants*. UCLA Luskin Center for Innovation, Los Angeles CA.
- J.S. Neubauer, A. Pesaran, B.D. Williams, M. Ferry, J. Eyer, A techno-economic analysis of PEV battery second use: Repurposed-battery selling price and commercial and industrial end-user value, in: SAE Tech. Pap., SAE International, 2012.
- B.D. Williams, E. Martin, T. Lipman, D. Kammen, Plug-in-Hybrid Vehicle Use, Energy Consumption, and Greenhouse Emissions: An Analysis of Household Vehicle Placements in Northern California, Energies. 4 (2011) 435–457.
- J. Lidicker, T. Lipman, B.D. Williams, Business Model for Subscription Service for Electric Vehicles Including Battery Swapping, for San Francisco Bay Area, California, Transp. Res. Rec. J. Transp. Res. Board. 2252 (2011) 83–90.
- B.D. Williams, T.E. Lipman, Strategy for Overcoming Cost Hurdles of Plug-In-Hybrid Battery in California: Integrating Post-Vehicle Secondary Use Values, Transp. Res. Rec. (2010) 59–66.
- B.D. Williams, T.E. Lipman, A Strategy for Overcoming Plug-in-Hybrid Battery Cost Hurdles in California: Integrating Post-Vehicle Secondary Use Values, in: 89th Annu. Meet. Transp. Res. Board, National Research Council, Washington DC, 2010.
- Williams, B.D., Lipman, T.E., 2010. *Strategies for Transportation Electric Fuel Implementation in California: Overcoming Battery First-Cost Hurdles* (No. CEC-500-2009-091). California Energy Commission (CEC), Berkeley CA.
- B.D. Williams, *Commercializing Light-Duty Plug-In/Plug-Out Hydrogen-Fuel-Cell Vehicles: "Mobile Electricity" Technologies, Early California Household Markets, and Innovation Management*, PhD Dissertation, University of California at Davis, 2007.
- B.D. Williams, K.S. Kurani, Commercializing light-duty plug-in/plug-out hydrogen-fuel-cell vehicles: "Mobile Electricity" technologies and opportunities, J. Power Sources. 166 (2007) 549–566.
- B.D. Williams, K.S. Kurani, Estimating the early household market for light-duty hydrogen-fuel-cell vehicles and other "Mobile Energy" innovations in California: A constraints analysis, J. Power Sources. 160 (2006) 446–453.
- B.D. Williams, B. Finkelor, Innovative Drivers for Hydrogen-Fuel-Cell-Vehicle Commercialization: Establishing Vehicle-to-Grid Markets, in: 15th Annu. U.S. Hydrog. Meet., National Hydrogen Association (NHA), Los Angeles CA, 2004.
- A.B. Lovins, B.D. Williams, From Fuel Cells to a Hydrogen-based Economy: How vehicle design is crucial to a new energy infrastructure, Public Util. Fortn. (2001).
- A.B. Lovins, B.D. Williams, A Strategy for the Hydrogen Transition, in: 10th Annu. U.S. Hydrog. Meet., National Hydrogen Association (NHA), Vienna VA, 1999.
- B.D. Williams, Hypercars: Speeding the transition to solar hydrogen, Renew. Energy. 10 (1997) 471–479.
- B.D. Williams, T.C. Moore, A.B. Lovins, Speeding the Transition: Designing a Fuel-Cell Hypercar, in: 8th Annu. U.S. Hydrog. Meet., National Hydrogen Association (NHA), Alexandria VA, 1997.
- B.D. Williams, Hydrogen Fuel Cells for Surface Transportation, MPhil Dissertation, Cambridge University, 1995.

Presentations, Panels & Posters (select, reverse chron.)

- B.D.H. Williams and N. Pallonetti (2022, Jul.), Presentation: "CVRP 2020 Data Brief: MSRP Considerations." *Program Reports*, Clean Vehicle Rebate Project. DOI: 10.13140/RG.2.2.10685.54241
- B.D.H Williams and N. Pallonetti (2022, Jun. 24), Presentation: "CVRP 2020 Data Brief: Vehicle Replacement," *Program Reports*, Clean Vehicle Rebate Project. DOI: 10.13140/RG.2.2.15974.70724
- B.D.H. Williams (2022, Jun. 16), Presentation: "California EV consumer characteristics, metrics of progress, and strategic segmentation as a pathway toward mainstream new-car buyers and beyond," for *International EV Policy Council June 2022 Workshop*, IEVPC, Oslo.
- B.D.H. Williams (2022, Jun. 13), Presentation: "Targeting Incentives Cost Effectively: 'Rebate Essential' Consumers in the New York State Electric Vehicle Rebate Program," in procs. *35th International Electric Vehicle Symposium (EVS35),* Session A3, AVERE. DOI: 10.13140/RG.2.2.22877.28640
- B.D.H. Williams (2022, Jun. 15), Presentation: "Lessons Learned About Electric Vehicle Consumers Who Rated the U.S. Federal Tax Credit 'Extremely Important' in Enabling Their Purchase," in procs. *35th International Electric Vehicle Symposium (EVS35),* Session H3, AVERE. DOI: 10.13140/RG.2.2.32943.61602
- B.D.H. Williams and N. Pallonetti (2022, Jun. 3), Presentation: "CVRP 2020 Data Brief: Incentive Influence," *Program Reports*, Clean Vehicle Rebate Project. DOI: 10.13140/RG.2.2.29559.91042
- B.D.H. Williams (2022, May). Panel Presentation: "Electrification and Transportation," *Hawai'i Energy Conference (HEC),* Maui Economic Development Board. Video (opening presentation minutes 2–10; 48-minute panel total).
- B.D.H. Williams and N. Pallonetti (2022, Mar.), Webinar Presentation: "CVRP 2020 Data Brief: Consumer Characteristics," for CARB's *Second Public Workshop on the Fiscal Year 2022-23 Update to the Three-Year Plan for Light-Duty Vehicles and Clean Transportation Investments*, California Air Resources Board. Video (time 1:05:43–1:26:09). DOI: 10.13140/RG.2.2.19493.58089
- B.D.H. Williams and N. Pallonetti (2022, Feb.), Webinar Presentation: "Cost-Effectiveness of Greenhouse Gas Emission Reductions Associated with California's Clean Vehicle Rebate Project in 2019 (and 2020)," for CARB's *First Public Workshop on the Fiscal Year 2022-23 Update to the Three-Year Plan for Light-Duty Vehicles and Clean Transportation Equity Investments*, California Air Resources Board. DOI: 10.13140/RG.2.2.32751.92322. Video (minutes 2:01–2:31).
- B.D.H. Williams and J.B. Anderson (2021, Nov.), Presentation: "California Plug-in Hybrid Electric Vehicle Consumers Who Found the U.S. Federal Tax Credit Extremely Important in Enabling Their Purchase," in procs. *Behavior, Energy & Climate Change (BECC) Conference*. DOI: 10.13140/RG.2.2.26232.72967
- B.D.H. Williams (2021, Aug.), Presentation: "Electric Vehicle Rebate Program Data & Design," in *U.S Climate Alliance Transportation Decarbonization Vision Workshop: Reducing Electric Vehicle Costs*.
- B.D.H. Williams (2021, Jul. 28), Presentation: "Data from Statewide Electric Vehicle Rebate Programs: Vehicles, Consumers, Impacts, and Effectiveness," in *Collaboration for ZEV Success*, Multi-state ZEV Task Force and Alliance of Automotive Innovation. DOI: 10.13140/RG.2.2.34429.64482
- B.D.H. Williams and N. Pallonetti (2021, Jul. 14), Presentation: "CVRP CY 2019 Data Brief: Vehicle Replacement & Incentive Influence," *Clean Vehicle Rebate Project Reports Page* [online], 14 July 20.
- B.D.H. Williams and N. Pallonetti (2021, Jun.), Presentation: "CVRP Data Brief: MSRP Considerations," in *Public Work Group Meeting on the Clean Vehicle Rebate Project (CVRP)*.

- B.D.H. Williams (2020, Dec.), Presentation: "EV Purchase Incentives: Program Design, Outputs, and Outcomes of Four Statewide Programs with a Focus on Massachusetts," in procs. *Behavior, Energy & Climate Change Conference 2020*, ACEEE, UC Berkeley CIEE, and SEEPAC.
- B.D.H. Williams (2020, Dec.), Panel Presentation: "Electric Vehicle Rebates: Data and Lessons Learned for Hawai'i From Four Statewide Programs," in EV Legislative Briefing, Blue Planet Foundation.
- B.D.H. Williams (2020, Dec.). Presentation: "EV Purchase Incentives: Program Design, Outputs, and Outcomes of Four Statewide Programs with a Focus on Massachusetts," *Behavior, Energy, and Climate Change (BECC) Conference*. DOI: 10.13140/RG.2.2.13166.08001
- B.D.H. Williams and N. Pallonetti (2020, Jul.), Presentation: "CVRP CY 2019 Data Brief: Consumer Characteristics," *Clean Vehicle Rebate Project Reports Page* [online].
- B.D.H. Williams (2020, Jun.), Presentation: "Used EVs - Initial Musings," in *Briefing Call for Staff Member of the Governor's Office of Business and Economic Development*.
- N. Pallonetti and B.D.H. Williams (2020, Jan.), Poster: "What Vehicles Are Electric Vehicles Replacing and Why?," in procs. *99th Annual Meeting of the Transportation Research Board*, Washington DC. DOI: 10.13140/RG.2.2.26748.82568
- B.D.H. Williams (2019, Dec.), Presentation: "Electric Vehicle Incentives: Data, Rebated Consumers, Outreach Strategies, and Impacts," in: Multi-State ZEV Task Force Meet., Multi-State ZEV Task Force.
- N. Pallonetti and B.D.H. Williams (2019, Nov.), Presentation: "What Vehicles Are Electric Vehicles Replacing and Why?," in: *Behavior, Energy & Climate Change Conference 2019*, Sacramento CA. DOI: 10.13140/RG.2.2.33774.28480
- B.D.H. Williams (2019, Nov.), Presentation: "Electric Vehicle Incentives and Policies," in *National Governor's Assoc. Maryland Grid Modernization Retreat*, National Governors Association, Hanover MD. DOI: 10.13140/RG.2.2.34976.46089
- B.D.H. Williams (2019, Oct.), Presentation: "Transportation Electrification: Incentives." *REV2019 Conference*, Burlington VT.
- B.D.H. Williams and J.B. Anderson (2019), Presentation: "Growing the Electric Vehicle Market: EV Adopters, 'Rebate Essentials,' and 'EV Converts,'" in procs. *Roadmap 12 Conference*. DOI: 10.13140/RG.2.2.34621.33761
- B.D. Williams (2019, Feb.), Presentation: "Electric Vehicle Rebates: Lessons Learning," in *Connecticut EV Roadmap Technical Meeting*.
- B.D. Williams and N. Pallonetti (2019, Jan.), Presentation: "Exploratory Estimation of Greenhouse-Gas Emission Reductions from California's Clean Vehicle Rebate Project." *98th Annual TRB Meeting*, Washington, D.C. DOI: 10.13140/RG.2.2.30418.84161
- B.D. Williams (2018, Dec.), Presentation: "CVRP: Data and Analysis Update." *CARB Public Workshop: Update to the 3-Year Plan for LDV Investments*. DOI: 10.13140/RG.2.2.12750.33609
- B.D. Williams and J.B. Anderson (2018, Oct), Presentation: "Cost-Effectively Targeting EV Outreach and Incentives to 'Rebate Essential' Consumers." *31st International Electric Vehicle Symposium (EVS31)*, SAE Japan, Kobe, Japan. DOI: 10.13140/RG.2.2.27910.45125
- B.D. Williams and M. Jones (2018, Jun.), Presentation: "Electric Vehicle Rebates: Exploring Indicators of Impact in Four States," in: EV Roadmap 11 Conference, Forth, Portland OR. DOI: 10.13140/RG.2.2.21138.94404

- B.D. Williams and K. Searles (2017, Oct.), Presentation: "California's Electric Vehicle Rebates: Exploring Impact." *Behavior, Energy & Climate Change Conference*. DOI: 10.13140/RG.2.2.14428.05769
- B.D. Williams (2017, Jun.), Panel Presentation: "Target EV Consumer Segments & Incentivizing Dealers (to educate consumers)," for Strengthening EV Outreach & Education panel at *EV Roadmap 10 Conference*, Forth, Portland OR. DOI: 10.13140/RG.2.2.22887.11683
- Williams, B.D. (2017, Apr.), Webinar Presentation: "Supporting EV Commercialization with Rebates: Statewide Programs, Vehicle & Consumer Data, and Findings," *Blueprint for Clean Energy,* Yale Center for Business and the Environment. Video (58 minutes).
- B.D. Williams and C. Johnson (2017, Jan.), Poster: "Characterizing California Electric Vehicle Consumer Segments," in procs. *TRB Annual Meeting*. DOI: 10.13140/RG.2.2.34631.16804
- CSE (2017, Jan.), Infographic: Plug-in Electric Vehicle Owners in California's Disadvantaged Communities, *Program Reports*, Clean Vehicle Rebate Project.
- B.D. Williams and J.B. Anderson (2016, Oct. 26), Presentation: "Electric Vehicle Rebates in Disadvantaged Communities: Evaluating Progress with Appropriate Comparisons," in procs. *Evaluation 2016 Conference*, American Evaluation Association (AEA), Atlanta GA. DOI: 10.13140/RG.2.2.12782.69443
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