

D.P.U. 18-150
Clean Energy Parties
CV of Samantha Houston
Exhibit CEP-2

Samantha L. Houston

1825 K Street NW, Suite 800
Washington, D.C. 20006

202-331-5459
shouston@ucsusa.org

EDUCATION

Massachusetts Institute of Technology	Cambridge, MA
M.S. in Technology and Policy	June 2017
Master's Thesis: Automaker Strategy and the Cost of Complying with Corporate Average Fuel Economy Standards	
Harvard University	Cambridge, MA
B.A. in Environmental Science and Public Policy, Language Citation in Spanish	May 2011

EXPERIENCE

Union of Concerned Scientists (UCS)	Washington, DC
<i>Analyst</i>	June 2018 – Present
<ul style="list-style-type: none">Author testimony and technical comments on behalf of UCS for transportation electrification proceedings in at public utility commissions in states including California, Maryland, and Minnesota.<ul style="list-style-type: none">California Public Utilities Commission Docket No. A.18-06-015, on the Application of Southern California Edison Company for Approval of its Charge Ready 2 Infrastructure and Market Education ProgramsMaryland Public Service Commission Docket No. 9478, In the Matter of the Petition of the Electric Vehicle Work Group for Implementation of a Statewide Electric Vehicle PortfolioSupport UCS defense of Corporate Average Fuel Economy and greenhouse gas standards for light-duty vehicles.	
Climate Interactive (CI)	New Orleans, LA
<i>Independent Consultant</i>	August 2017 – May 2018
<ul style="list-style-type: none">Recommend maximum mitigation potentials for CDR technologies to be used in CI World Climate model.Assess current and potential subnational climate action of cities, states, regions, and companies.Prepared presentations for funders and strategic allies, including the Vatican and Rockefeller Brothers Fund.	
Massachusetts Institute of Technology (MIT)	Cambridge, MA
<i>Independent Consultant, MIT Sloan School of Management - System Dynamics Group</i>	July 2017 – May 2018
<ul style="list-style-type: none">Researched, modeled, and quantify the impact of proposed changes to Corporate Average Fuel Economy standards.Prepared drafts for submission for publication, including Transportation Research Board Annual Meeting.Contributed to Keith, D.R., S. Houston, and S. Naumov. 2019. "Vehicle fleet turnover and the future of fuel economy." <i>Environ. Res. Lett.</i> 14 021001. available at https://doi.org/10.1088/1748-9326/aaf4d2.	
<i>Research Assistant, MIT Sloan School of Management - System Dynamics Group</i>	September 2016 – May 2017
<ul style="list-style-type: none">Researched and modeled federal light-duty vehicle standards and automaker compliance strategies in VensimDSS for master's thesis.	
<i>Teaching Assistant, MIT Sloan School of Management - System Dynamics Group</i>	September – December 2016
<ul style="list-style-type: none">Received highest student evaluation ratings among the 5 TAs for both first and second halves of the fall term.	
<i>Teaching Assistant, Mechanical Engineering Department</i>	January – May 2016
<ul style="list-style-type: none">Authored poster synthesizing class project findings on university greenhouse gas reduction commitments; accepted to a Gordon Research Conference.	
Ceres	Boston, MA
<i>Summer Intern, Transportation and Oil & Gas Programs</i>	June – July 2016
<ul style="list-style-type: none">Supported editing of analyst brief and policy advocacy around Midterm Evaluation for Light Duty Vehicles.Assessed climate and carbon asset risk disclosures in annual SEC disclosure forms.	
Harvard University Office For Sustainability	Cambridge, MA
<i>Residential Coordinator, Faculty of Arts and Sciences Green Program</i>	July 2011 – August 2014
<ul style="list-style-type: none">Managed residential building energy conservation projects to reduce operating costs and contribute to university-wide greenhouse gas reduction goal.	

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- Managed 20 Resource Efficiency Program student interns in the implementation of peer education campaigns.
- Supported development and execution of university-wide programs, including Sustainability Strategic Plan.

Texas Commission on Environmental Quality

Austin, Texas

Summer Intern, Air Quality Monitoring

June – August 2009

- Collaborated with Air Quality Monitoring team on EPA-mandated air quality monitoring network assessment, including querying network database with SQL to perform quality control on station metadata with GIS software.