

Lisa (Dickson) Churchill, PG



lisa@climateadvisoryllc.com

Years of Experience

25

Qualifications

WBE Certification (States – MA and ME and federal DBE)

Professional Geologist (PG):
Maine, GE428

MS, Geological Sciences,
University of Michigan, 1994

BA, Geology-Biology, Colby
College, 1992

Faculty Member, Urban Resilience
Executive Education Course,
Arup-MIT Sloan School of
Management (2017 to 2020)

Lecturer, Climate Change and
Infrastructure, University of New
Hampshire, ICNET Global (2022)

GHG Protocol, Corporate Value
Chain (Scope 3) Accounting and
Reporting Standard – Certificate of
Achievement

GHG Protocol, Covenant of
Mayors for Community-Scale
GHG Emission Inventories

UN Global Compact Academy –
Setting Science-Based Targets to
Achieve Net Zero training

Indigo Carbon College courses;
Certificate of Completion

Lisa Churchill is the founder of Climate Advisory LLC and a climate change expert, working closely at the intersection of the built and natural environments. She started her career as a transportation planner before becoming interested in the carbon markets and, more recently, in alternative financing and investment options related to resilience. She leads climate change projects for the public and private sectors and has presented at the Pentagon and a Congressional Briefing on climate security and investments in resilient infrastructure. Her training as a paleontologist, with a focus on mass extinctions, has given her a unique perspective on the characteristics of resilient systems.

City of Rochester, NY Heat Emergency Plan

Technical lead for the development of a heat emergency plan in response to climate change, working in partnership with KLA. Deliverables include identification of key vulnerabilities, a scenario-based heat stress exercise with county officials, city representatives, community groups and key infrastructure operators, the development of a response plan – including consideration of cooling center placement and a formalized communications plan, as well as long-term strategies proactive mitigation.

Confidential Federal Government Client, Resilience Assessments

Supporting ERG with developing and conducting climate resilience assessments and recommended actions for government-owned and operated research laboratories.

HUD - Resilient Building Code Guidance and Tool

Technical lead, working as a partner to LISC, for the development of a guidance document, tool and webinar series for U.S. Dept of Housing and Urban Development grantees to incorporate climate resilience measures and strong building codes when preparing for and rebuilding after natural disasters. The work includes both existing housing stock as well as new construction with an emphasis on equity and affordable housing. Planning for resilience during extreme heat and wildfires are areas of focus, in addition to flooding.

Long-term TCFD Alignment Project for a Government Sponsored Enterprise – Confidential Client

Working as part of the Climate Finance Advisors team advising on physical climate risk as it relates to the entity's business model, risk profile, investments and holdings, as well as implications for TCFD and ESG disclosures, future goal setting around targets and metrics, and the entity's ability to influence the larger market.

Greenhouse Gas Management
Institute courses
GRI Sustainability Reporting
Certification

Books

Gary, P. and Churchill, L. (eds)
2022. Climate Change and the
Built Environment.; published by
ACEC

Gardner, D.E. and
Churchill-Dickson, L. (eds) 2015.
Historic Bridges of Maine: 350
Years of Bridge and Roadway
Design; Maine Department of
Transportation; 145 pages.

Churchill-Dickson, L. 2007.
Maine's Fossil Record: The
Paleozoic; Maine Geological
Survey, Augusta; 500 p. ISBN:
0979812607

Committees

ASTM Working Group 62996:
Building Resiliency Standard;
Committee Member (2021 to
present)

Gulf Coast Housing Commission,
Advisory Group (2022 to present)
ASAP/CRI/CRF Ready to Finance
Resilience project, Expert Advisor
(2021-22)

United Nations CDF Working
Group on Climate Insurance
Linked Resilient Infrastructure
Finance (2020 to present)

Advisory Board Member, The
Stone Living Labs Foundation
(2020 to present)

Member, American Flood
Coalition (2021 to present)

Member, American Society of
Adaptation Professionals (2020 to
present)

Resilient, Sustainable,
multi-hazard building design –
Advisory Board (NSF-funded
project through Virginia Tech)

Publications

Churchill, L., Karidis, G. and
Werner, J. 2021. *Defining
Resilience for Labs*, Special Report
published by I2SL.

Churchill, L. – co-author 2020.
*Climate Risk and Real Estate –
emerging practices for Market
Assessment*, Urban Land Institute,
Washington, DC. ISBN:
978-0-87420-462-9 (October
2020)

Churchill, L. 2020 – Employing
Intelligent Building Design and
IoT to Maintain Environmental
Safety and Confidence in

University of New Hampshire, Climate Change and Infrastructure
Co-development and -teaching of a graduate level engineering
course with Dr. Jennifer Jacobs on Climate Change and
Infrastructure. The course is part of the larger ICNET Global
initiative to develop “the next generation of critical and diverse
thinkers to address and solve for climate-related infrastructure
challenges.”

Town of York, Maine Climate Action Plan

Project Director for the development of carbon mitigation and
adaptation strategies for the Town of York, working collaboratively
with CivicMoxie. The work included developing a municipal-wide
greenhouse gas inventory, conducting a vulnerability assessment,
developing strategies to reduce emissions, physical and operational
risks, and enhancing overall community resilience. Carbon
sequestration, public health, in-migration and affordable housing were
also areas of focus. The results will inform the larger Comprehensive
Plan update.

Healthcare Without Harm, Climate Risk and Public Health needs

Project Director for an assessment of public health needs in the face of
both climate change and COVID needs. The project included
interviews with leading healthcare providers, practitioners, clinical
staff, emergency preparedness professionals and hospital executives to
understand the key challenges and barriers to implementation of more
effective policy and funding measures around climate risk, and
developing interventions based on those needs.

Resilient Mystic Collaborative, Regional Climate Action Plan

Project Director for a regional climate adaptation plan across seven
municipalities, 12 major infrastructure owners, 7 social impact groups
and various state and federal agencies (including DHS and MEMA) to
solve for infrastructure climate resilience through the lens of social
equity. The project includes a multi-day scenario planning exercise to
understand vulnerabilities within and across infrastructure systems, to
assess workforce readiness and overlaps with vulnerable populations,
and to develop a regional level capital improvement plan for resilience
investments.

Mass General Brigham (Partners Healthcare system) MA Facility Resiliency Study and Implementation Plan

Project Manager (Phase 1) and Director (Phase 3) for an assessment of
climate (sea level rise, precipitation, wind, heat) and seismic risk across
the entire Partners Healthcare system (\$13 billion in annual revenue)
including hospitals, community health centers, data centers and
research labs; prioritization of those needs, design of resilient retrofits,

Facilities. *Tradeline*.

<https://www.tradelineinc.com/reports/2020-7/employing-intelligent-building-design-and-iot-maintain-environmental-safety-and>

Dickson, L. – contributor 2020; *Increasing infrastructure resilience with Nature-based Solutions (NbS): 12-Step Technical Guidance for Project Developers*; InterAmerican Development Bank, Washington DC; <https://publications.iadb.org/publications/english/document/Increasing-Infrastructure-Resilience-with-Nature-Based-Solutions-NbS.pdf>

Dickson, L., 2019 The 10,000-Year Hall Pass

<https://newcities.org/the-big-picture-the-10000-year-hall-pass/>

Dickson, L. 2018. How Buildings and Infrastructure are Changing in Response to Climate Change (<https://www.engineering.com/BIM/ArticleID/17327/How-Are-Buildings-and-Infrastructure-Changing-in-Response-to-Climate-Change.aspx>)

Dickson, L. 2018. Making the Case for Resilient Infrastructure. *New Cities* (July 5, 2018) <https://newcities.org/the-big-picture-making-the-case-for-investment-in-resilient-infrastructure/>

also published on the *Resilience Shift* (July 17, 2018) <http://resilienceshift.org/investment-case/>

Dickson, L. 2018. The value of resilience. Clyde & Co forum on Resilience, London (April 2018). https://www.clydeco.com/uploads/Files/Articles/2018/Resilience_Campaign/Lisa_Dickson.pdf

<https://vimeo.com/276004704>
Dickson, L. 2016 Five Lessons in Resilience (interview with Jeff Byles). Doggerel, December 15, 2016

<https://www.planetizen.com/node/90269/five-lessons-resilience>

Dickson, L. 2015. Logan International Heeds Warnings and Prepares for Potential Flooding; *Airport Improvement, July/August 2015*.

Dickson, L. and Ghosh, I., 2015. Driving through the pouring rain: How to plan, prepare and adapt America's transportation networks for climate change. *Informed*

and development of a five-year capital improvement plan for resilience, design guidelines and resilience performance metrics.

World Bank Incorporating Climate Adaptation Risks to Performance Based Contracting, Multiple Locations, Worldwide

Project Director for the development of performance-based metrics for climate risk for the World Bank. Worked with the Bank to develop approaches which would integrate climate risk into procurement processes and project execution. Leverage points included modifying design inputs, relying more heavily on availability payments versus tolls and revisiting force majeure criteria. Issues around transparency and ownership of climate risk throughout project life cycle and changing force majeure triggers were also addressed.

<https://blogs.worldbank.org/transport/addressing-risks-climate-change-performance-based-contracts>

Confidential Real Estate Investment Trust (REIT) # 2

Subject Matter Expert for Taskforce on Climate-related Financial Disclosure requirements for an Asian-based REIT with holdings in the Americas. Key deliverables focused on Climate Advisory services related to both physical and transitional risk with an eye towards potential issues with devaluation, future underwriting considerations, potential regulatory implications and the overall resilience of the supporting infrastructure and community at large.

Confidential Real Estate Investment Trust (REIT) #3

Subject Matter Expert for REIT headquartered in Europe with significant retail holdings in the United States. Advising on portfolio-level assessment of climate risk, and prioritization of actions based on both physical and transitional climate risks. **Climate Change**

Vulnerability Assessment, Somerville, MA

Project Manager for development of a climate change vulnerability assessment which included prioritizing needs based on probability, consequence and immediacy of impacts, as well as economic analyses to assess the costs of disruption (and the value of resilience investment) at a city scale.

https://www.somervillema.gov/sites/default/files/6-13-2017_Somerville%20CCVA%20Final%20Report.pdf

Massachusetts Bay Transit Authority (MBTA), Climate Resilience Master Services Agreement, MA

Project Director for a million-dollar on-call contract with the MBTA, working collaboratively with Weston-Sampson. Tasks focused heavily on assessing and solving for flooding vulnerabilities (coastal, precipitation, groundwater), although heat is also being considered. To date, our work has included the Blue Line and Orange Line.

Infrastructure, January – February 2015.

Beauvais, N., Ghosh, I and Dickson, L. 2015. Translating the science of climate change into built solutions. *Michigan Journal of Sustainability, Field Notes*, in press.

Dickson, L. and Ghosh, I. 2014. Assessing the “Threat Multiplier”, *Society of American Military Engineer, Year in Review*.
http://themilitaryengineer.com/tme_online/2014_Nov_Dec/TME-YearInReview-2014-SM.pdf

Ghosh, I. and Dickson, L. 2014. Designing for climate change with GIS. *ArcUser Fall 2014*.
<http://www.esri.com/esri-news/arcuser/fall-2014/designing-for-climate-change-with-gis>

Dickson, L. 2013. “When Storm Clouds Gather,” *Storage Terminal Magazine, Autumn/Fall 2013*.

Dickson, L. 2013. “Engineering a Response to Climate Change,” *BSCES Newsletter, October 2013*.

ASCE-APWA-ACEC Sustainable Infrastructure Project Rating System; 2011. (Dickson, L. – contributor)

World Resource Council 2010. The Greenhouse Gas Protocol for the U.S. Public Sector (Dickson, L. – contributor)

Speaking Engagements

“Climate Change and the Built Environment, Part 3: Case Studies of Resilient Vertical and Horizontal Projects,” ACEC-sponsored webinar series (June 21, 2022).

“Climate Change and the Built Environment: Part 2: Legal, Insurance and Contracting Practices,” ACEC-sponsored webinar series (June 14, 2022).

“Compounding and Cascading Events – Strategies to Effectively Apply Solutions,” National Academies of Science Workshop, online. (May 31, 2022)

“Resilient Building Codes: Action at the Community Level,” HUD-sponsored series on Resilient Building Codes (May 26, 2022)

“Resilient Building Codes: A Practitioner’s Guide,” HUD-sponsored webinar series on Resilient Building Codes, online (May 19, 2022)

“Resilient Building Codes: Making the Business Case,” HUD-sponsored webinar series on

Logan International Airport, Disaster and Infrastructure Resiliency Plan, Logan International Airport and Maritime, Boston, MA

Project Manager for this comprehensive vulnerability and resiliency plan for Boston Logan Airport and the Massport maritime facilities to provide an understanding of overall climate vulnerability and the development of a ten-year, \$35 million capital improvement plan for resilience.

Climate Change Adaptation Plan, District Department of the Environment, Washington, DC

Principal-in-charge for the climate, vulnerability and risk assessments. This plan informed the District of its key climate risks in an effort to integrate resiliency into planning for capital improvements, policies, and programs. The final product includes both short- and long-term adaptation strategies that will leverage synergies with Sustainable DC initiatives.

https://doee.dc.gov/sites/default/files/dc/sites/ddoe/publication/attachments/150828_AREA_Research_Report_Small.pdf

Massachusetts General Hospital, Campus-wide Flooding Resilience, Boston MA

Project Director for a conceptual level study to assess design and operational solutions for ongoing business continuity during extreme flooding events – including considerations for both precipitation-based and coastal-based storms. MGH is a “cannot fail” type of institution whose ongoing functionality – including ability to access – is paramount during these types of events. Our work will provide a roadmap to how services could be maintained during these regional challenges.

Massport B to C Connector, Logan Airport, Boston, MA

Subject Matter Expert supporting the design and programming decisions related to climate resilience for a complete post security connection from Terminal C Pier C, at gate C25 through to Terminal B Pier A, at gate B38. The project includes renovations to existing building structures, building additions, and the demolition of the existing Old Tower building. The project will provide efficient passenger movement between terminals; new and repurposed passenger amenities; and reconfigured and additional space for facility, operations, and administration services.

Massport Sustainability Master Services Agreement, MA

Project Director for an on-call contract to support Massport in advancing their sustainability and resilience goals, including both mitigation and adaptation considerations. Initial work is focusing on carbon and energy strategies.

Resilient Building Codes, online (April 28, 2022)

“Designing for Resiliency at the Waterfront,” AIA Tri State Conference (NY, NJ, PA), online (December 2021)

“Legal implications of Climate Change in the Built Environment” (working title), Massachusetts Bar Association, online (June 2021)

“Rethinking Climate Change and Transportation,” ICNet Global Workshop on Climate Resilience Practice, online (May 2021)

“Climate Change: New and Emerging Trends,” Donovan | Hatem Roundtable, online (March 2021)

“Sustainable Infrastructure and Impact Finance,” Proximo, online (April 2020)
<https://www.proximoinfra.com/virtual/get/145>

“Partnering on a National Approach to Resilient Infrastructure,” CATIQ Vision 2020, Toronto (February 2020)

“Climate Considerations for the Real Estate Market,” DePaul University’s Real Estate Center and the Chaddick Institute, Chicago, IL (December 2020)

“Impact of Climate Change on Commercial Real Estate,” CCIM Institute webinar (November 2019)

“Resilience Considerations for Science and Industry,” I2SL Annual Conference, Denver, CO; (with H. Williams, October 2019)

“Climate Change in Maine: an economic opportunity?” Maine ACEC, President’s Invitational (October 2019)

“Understanding and Addressing Climatic Variabilities at 32 Facilities: Lessons from Partners Healthcare,” Clean Med, Nashville, TN; (with J. Messervy & K. Kemmen) May 2019

“Future-proofing Real Estate Investment: How Industry Leaders are Factoring in Climate Risk,” ULI Webinar, February 2019

“The Intersect of Capital Markets, Real Estate and Sustainability,” ULI Fall Meeting, Boston, MA October 2018

“Climate Change and Resilient Design: Risk Management Considerations for Engineers,” ACEC National Conference, Las Vegas October 30, 2018

“Financing Resilient Infrastructure,” Infrastructure

City of Cambridge Climate Change Vulnerability Assessment, Cambridge, MA

Principal-in-charge of a city-wide comprehensive analysis of climate change impacts, including sea level rise, precipitation, heat and associated impacts on infrastructure, public health, economics, and the environment. Technical oversight in the development of climate proxies, a standardized ranking system for risk, heat vulnerability methodologies, GIS modeling and an integrated hydrology model that will link flooding from coastal, riverine and piped infrastructure. Lisa was also involved in the intensive stakeholder engagement process which included members from academia, public and private sectors, non-profits and the Cambridge community.

<https://www.cambridgema.gov/CDD/Projects/Climate/~media/307B044E0EC5492BB92B2D8FA003ED25.ashx>

Confidential Client, Tech Industry

Project Manager for climate resilience assessment across a global portfolio where uninterrupted business continuity is paramount to the client’s business model. The work included translating key elements of resilience into business indicators and developing economic metrics which assessed both the cost of disruption, as well as the return of investment for resilient investment. This has been a multi-year engagement with four distinct phases focusing on campus-specific needs, portfolio-level analyses and a deep dive on datacenter resilience.

Confidential Real Estate Investment Trust (REIT) # 1

Project Director for a European-based REIT with holdings in the US. Our team developed a rapid, onsite climate assessment that can be easily translated across their global portfolio. Deliverables included climate baselines, asset-level impacts and recommendations for resilience including both design-based and operational considerations. This methodology developed here will be used throughout their portfolio.

Confidential Real Estate Investment Trust (REIT) # 1 Flood Assessment, Fort Lauderdale, FL

Project Director for the rapid climate assessment of two properties in Fort Lauderdale. The assessment investigated the properties’ vulnerability to sea level rise/storm surge and precipitation, both for current conditions and future considerations.

Pembroke/Fidelity, World Trade Center, Seaport District, Boston, MA

Subject Matter Expert on resilience supporting the client and CBT in design and programming decisions related to climate resilience, with an emphasis on flooding, for the primary tenant fit-out of the World Trade Center at Commonwealth Pier. The new community-centric workplace

Summit, Governing, Denver, CO; June 20, 2018

“Future Directions in US Municipal Infrastructure Finance – A governmental perspective,” NewCities and Lincoln Institute Cambridge, MA June 5, 2018

“Resilience - addressing the protection event: a US Perspective,” Clyde & Co Resilience Summit, in collaboration with Willis Towers Watson, London; April 24, 2018

“Financing for Climate Resilience,” UMass EBC Climate Forum Speaking Series, April 13, 2018, Boston.

“Innovating with Clients: Helping Clients Manage their Climate Risk” InterAmerican Development Bank ;Washington DC, February 13, 2018.

“Financing Resilient Infrastructure,” Economic Resilience Roadshow, hosted by the British Embassy, Houston, TX and San Francisco, January and February 2018

“Climate Change: What do owners want from their Design Professionals?” Donovan Hatem Roundtable, Boston. January 25, 2018

“Financing Resilient Infrastructure.” Congressional Briefing, Washington DC, October 12, 2017.

“Resilient Transportation,” Architecture Boston Expo (ABX), November 2017

“Extreme Design: Thriving in the new normal” Architecture Boston Expo (ABX), October 2016

“Changing Climate, Changing Business,” Panelist, British American Business, April 25, 2016; Thomas Reuters, NYC.

“Climate Risk and Investment,” invited speaker, World Bank, Washington D.C., March 9, 2016.

“Extreme Design: Thriving in the New Normal”, Presenter, *ABX 2016 Annual Convention*; November 16, 2016; Boston, MA.

“Enhancing Resilience of Coastal Infrastructure”, Panelist, *Maritime Risk Symposium*, November 14, 2016; Chapel Hill, NC.

“Lessons from the Front Lines: Cities, Climate Thresholds and Actions,” Panelist; *National*

will feature high levels of daylight, access to outdoor courtyards, biophilic design and collaboration spaces.

New Jersey American Water, Monmouth County, NJ

Expert advisor for a study to assess climate resilience for a critical potable water station that is essential to the operation of the larger drinking water system in Monmouth County. This was a pilot project that will be used to develop a methodology that is both scalable and translatable across American Water’s North American holdings.

Massachusetts Army National Guard, Camp Edwards Climate Change Vulnerability Assessment

Project manager and technical lead for this project. The study assessed the Guard’s overall vulnerability to sea level rise, storm surge, extreme heat and changes in precipitation patterns. Deliverables for this project included inundation mapping based on various sea level rise and storm surge scenarios, the development of a risk assessment and analysis tool and a prioritized adaptation plan. Equal attention was given to both infrastructure and mission-critical operations. This assessment was the first of its type for a U.S. military installation and was used by National Guard Headquarters to inform their planning efforts with respect to climate change. Lisa was also invited to the Pentagon to present on this work.

Climate Action Plan Update, Technical Services, Boston, MA

Project manager for a team providing technical support for Boston stakeholders and City staff participating in the update process, responding to both mitigation and adaptation concerns and preparing required technical analysis. Focus areas included carbon budgets, validating methodologies, suggesting climate proxies, developing a vulnerability and risk approach using data collected to date and linking Boston’s efforts with other regional climate initiatives.

South Shore Sea Level Rise Modeling, Marshfield, Duxbury, & Scituate, MA

Principal-in-charge for this project that included inundation modeling from predicted sea level rise and storm surge, developing adaptation strategies to mitigate effects of flooding, and educating the public, town officials and state legislators about the potential effects of sea level rise so that informed decisions can be made to avoid future costly impacts.

Department of Homeland Security, Sustainability Audit

Led the effort to review the Department’s policies and guidance documents for compliance with the GHG, energy, water and waste reductions dictated in EO 13514. The deliverable was a detailed audit outlining recommended changes in policies and procedures to ensure compliance with these mandated reduction goals.

Adaptation Forum; May 13, 2015; St. Louis, MO.

“Heat Waves and Extreme Events: A conversation with Dr. Katharine Hayhoe about climate change in D.C.” Invited Panelist; *National Geographic Society*, March 11, 2015; Washington D.C.

“Plenary Session: Climate Impacts on the Business of Aviation,” Invited Panelist; *Airport Consultants Council and American Association of Airport Executives: Airport Planning, Design and Construction Symposium*; February 18-19, 2015; Denver, CO.

“Risk and Resiliency--the New Normal”, Lead Convener and Presenter; *ACEC 2014 Annual Convention*; April 28, 2014; Washington, DC.

“Preparing for Climate Change at Massport’s Logan International Airport and Port Facilities,” *Transportation Research Board of the National Academies; 10th National Conference on Transportation Asset Management*, April 29, 2014; Miami, FL.

“Benefits Realized in Implementing Sustainability Policies and Programs”, Sustainability Performance Metrics, *Transportation Research Board Annual Meeting*; 2013; Washington, DC.

“Climate Change: Assess, Design, Act,” *AFSE/Geoprofessional Business Association, Fall Conference*, October 2013; Boston, MA.

“Climate Change: Risk Assessment and Resiliency in Urban Settings,” *American Water Resources Association*; September 26, 2013; Trenton, NJ.

“Modeling for Resiliency/Dealing with Climate Change,” *SAME JETS*; July 2013; Denver CO.

“Cambridge’s Climate Change Vulnerability Assessment: Linking Theory and Practice”; *National Adaptation Forum*; April 2-4, 2013; Denver, CO.

“East Meets West: the Impact of China’s Footprint on the U.S.,” *AWRA’s Managing Climate Change Impacts on Water Resources: Adaptation Issues, Options and Strategies*; April 18-20, 2011; Baltimore, MD.

“Offering Suggestions for China’s Twelfth-Five year Environmental Protection Plan – Adapting to the Environment and Economy in a

Anaerobic Digester Gas Reuse and CHP Project Green Financial Analysis, Pittsfield, MA

Development of a financial analysis that maximized the potential revenues the client could produce using a combination of green market funding mechanisms (RECs, voluntary carbon markets and REPI funding) in combination with other state and federal grant opportunities.

Confidential Oil and Gas Client, Strategic Sustainability Planning Services

Worked closely with this client to develop strategic planning around GHG mitigation and emission control strategies, carbon market opportunities and future planning strategies around supply-chain management, carbon risk analysis and climate adaptation.

Various Transportation Agencies, Planning and Regulatory Strategies, various locations

Lisa worked for four years as an employee of the Maine Department of Transportation managing large-scale, complex and often controversial projects. The projects involved balancing the purpose and need of the infrastructure improvement with the social, economic and environmental needs of the community. She continued to offer these services as a consultant to various New England transportation agencies including MaineDOT, MBTA, MVRTA, CTDOT and NHDOT.

Regional Manager, SEA/Kleinfelder, Augusta, Maine

Managed and grew the Augusta-based engineering office of SEA, later acquired by Kleinfelder. Within three years, grew the office from 4 to more than 40 employees. Focus was on transportation with MaineDOT as the main client. The staff included engineers focusing on bridge design, civil and structural engineering, inspectional work, construction management, resident engineering; and planners and historians with a focus on environmental analyses, historic and cultural resource work and regulatory guidance.

Maine Department of Transportation, Augusta, Maine

Environmental Project Manager co-leading the National Environmental Policy Act (NEPA), Section 4(f) and Section 106 Cultural programs, and Section 6(f). Involved in all EA and EIS level work for the department and worked closely with Maine and Regional FHWA officials, as well as the State Historic Preservation Office, including developing programmatic agreements, memoranda of understanding and mitigation actions. Also ran the Historic Bridge program, which later led to a co-authored book about that subject.

Low-Carbon Society,” Invited Participant; *The Fourth Expanded Meeting of the Sixth Council of Chinese Society for Environmental Sciences*; May 4, 2010; Shanghai, China.

“The interplay between Environmental Markets and Transportation Investments,” *Annual Meeting of the Chinese Society of Environmental Sciences*: May 5-7, 2010; Shanghai, China.

Awards

ACEC Silver Award, Massport Disaster and Infrastructure Resiliency Plan, 2015

Maine Woman to Watch, 2010

Special Service Award for Augusta’s (ME) Comprehensive Plan, 2008 – presented by Senator Susan Collins

Honorable Mention, Outstanding Publication, 2008 from the Association of Earth Science Editors for Maine’s Fossil Record