Asheville-Buncombe Air Quality Agency Board

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Applicant	Date	Address	Contact	Status
Dr. Caitlin Crossett	8/14/2024	Asheville 28801		Validated
Mrs. Sarah K McGonigal	7/11/2024	Fairview 28730		Validated

Dr. Caitlin Crossett

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Status

Name	Dr. Caitlin Crossett
Application Date	8/14/2024
Expiration Date	8/14/2025
Board Member	**Caitlin Crossett**
Status	Validated

Board	Vacancies	Status
Asheville-Buncombe Air Quality Agency Board	0	Pending

Basic Information

Name
Dr. Caitlin Crossett

Contact Information

Address
Asheville 28801

Email
REDACTED

Cell Phone
REDACTED

Occupation

Employer
University of North Carolina Asheville

Job Title
Assistant Professor

Are you a City of Asheville resident?
Yes

How did you hear about the opening
Current or former board member

List any special qualifications and or experiences you have for service on this board. (If applying for more than one board, please be specific.)
I am a professor in the Atmospheric Sciences department at UNCA. My research has focused on bringing together unique perspectives to solve interdisciplinary problems. For example, I am currently working with a colleague in the Department of Public Health and Preventive Medicine at The State University of New York Upstate Medical University on a project that explores the differences in insurance payouts for weather-related crop losses between counties with different levels of social vulnerability. This depth of knowledge and interest in atmospheric sciences will serve the Asheville-Buncombe Air Quality Board well.

What do you think will be your best contribution to the board? (If applying for more than one board, please be specific.)
I will bring a new perspective to the Asheville-Buncombe Air Quality Board as someone who is early in their career and is an expert in atmospheric science.

What would you like to achieve if appointed to this board? (If applying for more than one board, please be specific.)
If appointed to the Asheville-Buncombe Air Quality Board I want to serve my local community by influencing policy to continue improving air quality. Additionally, I would like to continue fostering a connection between UNCA and the Asheville-Buncombe Air Quality Agency so that students can connect with local government officials, get experience working in local government, and give them the opportunity to get involved in their community.

Please describe your ability to listen and consider perspectives that are different from your own.
As a professor, I engage with students from diverse backgrounds daily. In order to run a respectful classroom environment it is imperative that I respect every students' perspective and make them feel heard even if I might disagree.

Are you aware of any potential conflicts of interest that exist or may arise during your service on the board (i.e., property interest, business interest, etc.)? If yes, please explain, and if applying for more than one board, please be specific.:
n/a

What is your geographic area/neighborhood of residency?
Central

Which best describes your current housing?
Renter

What is your age
25-34

What is your racial or ethnic identity?
White/Non-Hispanic

What language(s) is/are spoken at your home? Please check all that apply or use "other" to describe.
REDACTED

What is your gender identity?
(Non-trans) Woman

What pronouns do you use?
REDACTED

What is your sexual orientation?
REDACTED

What is your employment status?
REDACTED

What is your yearly household income or salary?
REDACTED

What is your primary mode of transportation?
REDACTED

Are you a caregiver for or do you identify as a disabled person?
REDACTED

Do you need any reasonable accommodation to make your board service more effective? (Need of reasonable accommodation does not preclude you from consideration of appointment.)
REDACTED

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Caitlin C. Crossett

Department of Atmospheric Sciences | University of North Carolina Asheville
Rhoades Robinson Hall 251, Asheville, NC 28804
Email: ccrosset@unca.edu

EDUCATION

Ph.D.	University of Vermont, 2022 Civil and Environmental Engineering Dissertation: *Hydroclimatic Variability of the Northeastern United States*
M.S.	University of Wisconsin-Milwaukee, 2017 Mathematical Sciences Thesis: *An Examination of the Dynamics of a Rear-Inflow Jet Associated with an Idealized Mesoscale Convective System*
B.S.	Hobart and William Smith Colleges, 2015 Geoscience with a Concentration in Atmospheric Science Senior Thesis: *A Climatological Study of Cold Surges along the African Highlands*

PROFESSIONAL AND TEACHING EXPERIENCE

2023–	Assistant Professor, Department of Atmospheric Sciences, University of North Carolina Asheville
Spring 2023	Adjunct Professor, Department of Geoscience, Hobart and William Smith Colleges
2022–23	Post-Doctoral Research and Teaching Associate, Multi-scale Interactions Influencing Lake-Effect Systems, Hobart and William Smith Colleges

PEER REVIEWED PUBLICATIONS

**Denotes undergraduate student mentee*

(8) Laird, N. F., **C. C. Crossett**, C. J. Britt*, N. D. Metz, K. Carmer, B. D. McBroom*, 2024: Synoptic conditions and lake-to-lake connections for days with lake effect on all of the Great Lakes. *J. Appl. Meteor. Climatol.* **63**, 617–629: https://doi.org/10.1175/JAMC-D-23-0006.1

(7) Laird, N. F., **C. C. Crossett**, G. A. Keaton, L. N. Hopson, 2023: Weather conditions and seasonal variability of limited surface visibility in Greenland coastal locations. *International Journal of Climatology*, **44**(2), 393–405. https://doi.org/10.1002/joc.8332

(6) **Crossett, C. C.**, L-A. L. Dupigny-Giroux, K. E. Kunkel, A. K. Betts, and A. Bomblies, 2022: Synoptic-typing of multi-duration, heavy precipitation records in the Northeastern United States: 1895–2017, *J. Appl. Meteor. Climatol.*, **62**, 721–736. https://doi.org/10.1175/JAMC-D-22-0091.1

(5) **Crossett, C. C.**, G. A. Hodgkins, H. Menk, L-A. L. Dupigny-Giroux, R. Dudley, M. Lemcke-Stampone, and J. Hammond, 2023: Groundwater recharge in northern New England: Meteorological drivers and relations with low streamflows. *Hydrological Processes*, **37**(3), e14832. https://doi.org/10.1002/hyp.14832

(4) **Crossett, C. C.**, A. K. Betts, L-A. L. Dupigny-Giroux, and A. Bomblies, 2020: Evaluation of daily precipitation from the ERA5 global reanalysis against GHCN observations in the Northeastern United States. *Climate*, **8**(12), 148: https://doi.org/10.3390/cli8120148

(3) Betts, A. K., D. Reid*, and **C. C. Crossett**, 2020: Evaluation of the FLake model in ERA5 for Lake Champlain. *Front. Environ. Sci*. 8:609254: doi: 10.3389/fenvs.2020.609254

(2) **Crossett, C. C.,** and N. D. Metz, 2017: A climatological study of extreme cold surges along the African Highlands. *J. Appl. Meteor. Climatol.,* **56**, 1731–1738. https://doi.org/10.1175/JAMC-D-15-0191.1

(1) Lahr, E. C., G. W. Schade, **C. C. Crossett**, and M. R. Watson, 2015: Photosynthesis and isoprene emission from trees along an urban–rural gradient in Texas. *Glob Change Biol*, **21**: 4221–4236. doi:10.1111/gcb.13010

PUBLICATIONS IN REVISION, REVIEW, OR PREPARATION

**Denotes undergraduate student mentee*

Shoeneck, K, **C. Crossett**, and A. Williams: Weather-related crop insurance payouts in the US as Modified by Social Vulnerability, *in preparation*. Expected: Agricultural and Resource Economics Review

RESEARCH EXPERIENCE

2017– 22	Graduate Research Assistant, *Hydroclimatic Variability of the Northeastern United States,* Vermont EPSCoR, University of Vermont, Advisors: Drs. Lesley-Ann Dupigny-Giroux and Arne Bomblies
2016–17	Graduate Research Assistant, *An Examination of the Dynamics of a Rear-Inflow Jet Associated with an Idealized Mesoscale Convective System,* University of Wisconsin-Milwaukee, Advisor: Dr. Clark Evans
2015	Research Assistant, *Cold Surges along the African Highlands* and *Impacts of Short-wave Troughs on Lake-effect Snow Bands on Lake Ontario,* Hobart and William Smith Colleges, Mentors: Drs. Nicholas Metz and Neil Laird
2014	Research Experience for Undergraduates, *Differences in Isoprene Emission and Photosynthesis of Post Oak (Quercus Stellata) Trees along an Urban-to-Rural Gradient in Eastern Texas,* Texas A&M University, Mentors: Drs. Gunnar Schade and Eleanor Lahr
2013–14	Ontario Winter Lake-effect Studies (OWLeS) Field Project, *Daily weather forecasting and briefing to full research team, intense operating period deployments*, Hobart and William Smith Colleges, Mentors: Drs. Nicholas Metz and Neil Laird
2013	Undergraduate Summer Research Program, *Climatological study of Cold Surges along the African Highlands*, Hobart and William Smith Colleges, Mentor: Dr. Nicholas Metz

MENTORSHIP EXPERIENCE

2023–24	University of North Carolina Asheville

Rhyan Mitchell, Research Topic: *Trends in Synoptic Types Associated with 1-day Duration 50-year Return Interval Precipitation Events in the Northeastern United States: 1895–2015*

Kaitlyn Duckett, Research Topic: *Snowmelt and Water Resources in the Central and Eastern United States*

2022 Co-Mentor, *Northeast Partnership for Atmospheric and Related Sciences Research Experience for Undergraduates*, Hobart and William Smith Colleges

Catherine Britt, Hobart and William Smith Colleges. Research Topic: *Atmospheric Conditions Associated with Lake Effect Clouds Over the Western, Eastern, and all Five Great Lakes*

Matthew Friedkin, Hobart and William Smith Colleges. Research Topic: *Lake Effect Contribution to Total Season Snowfall in the Lake Ontario Region*

Kelly Geiger, University at Albany and **Chelsea Truong**, Stonybrook University. Research Topic: *Impacts of Atmospheric Rivers on Droughts in the Northeastern US*

Braedyn McBroom, University of Kansas. Research Topic: *Environmental Conditions Associated with Long and Short Shore-Parallel Bands off Lake Ontario into the Mohawk River Valley*

2018–21 Graduate Student Mentor, *BREE Undergraduate Summer Internship*, Vermont EPSCoR, at the University of Vermont.

2021: William Hadley, University of Arkansas. Research Topic: *Applications of Random Forest Machine Learning on Warm Season Drought Characterization in Vermont*

2019: Giorgio Sarro, University of Wisconsin-Milwaukee. Research Topic: *Meteorological Predictors of Droughts in Vermont, New Hampshire, and Eastern New York*

2018: Nichole Ortiz Jimenez, University of Puerto Rico, Rio Piedras Campus. Research Topic: *A Comparison of Soil Moisture between ERA5 and an in-situ Soil Moisture Sensor in Vermont*

Daniel Reid, University of Vermont. Research Topic: *Comparing the ERA5 FLake Model to in-situ Observations on Lake Champlain*

OTHER RELEVANT EXPERIENCE

2021 Lead Author, *Climate Change in Vermont Chapter,* Vermont Climate Assessment, University of Vermont, PIs: Drs. Gillian Galford, Joshua Faulkner, and Lesley-Ann Dupigny-Giroux, <*vtclimate.org*>

2015 Student Volunteer/ Student Intern, *National Weather Service Forecast Office Binghamton, NY*, Supervisor: Eric Heden

HONORS AND AWARDS

2022 Second place oral presentation, 36th Conference on Hydrology, American Meteorological Society Annual Meeting: *Synoptic Typing of Multi-duration Heavy Precipitation Records in the Northeastern United States: 1895–2017*

2018–2022 Graduate Fellow of the Gund Institute for Environment, University of Vermont

2016 Dhirendra Sikdar Scholarship in Atmospheric Sciences, University of Wisconsin-Milwaukee

2016 Chancellor's Graduate Student Award, University of Wisconsin-Milwaukee

2016 Research Excellence Award, University of Wisconsin-Milwaukee

2015 Donald L. Woodrow Prize in Geoscience, Hobart and William Smith Colleges

CONFERENCE PRESENTATIONS

**Denotes undergraduate student mentee*

C. J. Britt*, **C. C. Crossett** (*presenting author*), N. D. Metz, N. F. Laird, K. Carmer, and B. D. McBroom*, 2023. Atmospheric Conditions Associated with Lake Effect Clouds over the Western, Eastern, and all Five Great Lakes. 48th Northeastern Storm Conference, Burlington, VT. Oral Presentation.

C. C. Crossett, B. R. Crow, N. F. Laird, and N. D. Metz., 2023. Observational Analysis and Numerical Simulations of a Lake-Effect Snow Event over Lake Tahoe. Third Symposium on Mesoscale Processes at the 103rd American Meteorological Society Annual Meeting, Denver, CO. Poster.

C. J. Britt*, K. Carmer, **C. C. Crossett**, N. D. Metz, N. F. Laird, and B. D. McBroom*, 2023. Atmospheric Conditions Associated with Lake Effect Clouds over the Western, Eastern, and all Five Great Lakes. 22nd Annual Student Conference at the 103rd American Meteorological Society Annual Meeting, Denver, CO. Poster.

M. Friedkin*, **C. C. Crossett**, and N. F. Laird, 2023. Lake Effect Contribution to Total Season Snowfall in the Lake Ontario Region. 22nd Annual Student Conference at the 103rd American Meteorological Society Annual Meeting, Denver, CO. Poster.

B. D. McBroom*, N. D. Metz, N. F. Laird, **C. C. Crossett**, and C. J. Britt*, 2023. Environmental Conditions Associated with Long and Short Shore-Parallel Bands off Lake Ontario into the Mohawk River Valley. 22nd Annual Student Conference at the 103rd American Meteorological Society Annual Meeting, Denver, CO. Poster.

C. Truong*, K. M. Geiger*, N. D. Metz, and **C. C. Crossett**, 2023. Landfalling Atmospheric Rivers and their Impacts on Drought in the Northeast U. S. 22nd Annual Student Conference at the 103rd American Meteorological Society Annual Meeting, Denver, CO. Poster.

K. M. Geiger*, C. Truong*, N. D. Metz, and **C. C. Crossett**, 2023: Impacts of Atmospheric Rivers and Precipitation on Droughts in the Northeast U. S. 22nd Annual Student Conference at the 103rd American Meteorological Society Annual Meeting, Denver, CO. Poster.

C. C. Crossett, H. Menk, G. Hodgkins, L-A. Dupigny-Giroux, R. Dudley, M. Lemcke-Stampone, and J. Hammond, 2022. Groundwater Recharge in Northern New England: Meteorological Drivers and Impacts on Low Streamflows. Drought: Mechanisms and Impacts in the Past, Present, and Future, American Geophysical Union Annual Meeting, Chicago, IL. Poster.

C. Crossett, L-A. Dupigny-Giroux, K. Kunkel, A. Betts, and A. Bomblies., 2022. Synoptic Typing of Multi-duration Heavy Precipitation Records in the Northeastern United States: 1895–2017. 36th Conference on Hydrology, American Meteorological Society Annual Meeting, Houston, TX. Oral Presentation. *(Award Winner)*

C. Crossett, L-A. Dupigny-Giroux, A. Bomblies, D. Rizzo, A. Betts. 2020. Utilizing a Self-Organizing Map to Identify Synoptic Patterns in Heavy Precipitation Events in the Northeastern United States. 34th Conference on Hydrology, American Meteorological Society Annual Meeting, Boston, MA. Poster.

G. Sarro*, **C. Crossett**, and L-A. Dupigny-Giroux. 2020. Meteorological Predictors of Droughts in Vermont, New Hampshire, and Eastern New York. 19th Annual American Meteorological Society Student Conference, Boston, MA. Poster. *(Award Winner)*

C. Crossett, L-A. Dupigny-Giroux, A. Bomblies, and A. Betts. 2018. Using Tropical Storm Irene as a Case Study for the Verification of the ERA5 Reanalysis Dataset. Lake Champlain Research Conference, Burlington, VT. Poster.

C. C. Crossett and C. Evans. 2017. An Examination of the Dynamics of a Rear-Inflow Jet Associated with an Idealized Mesoscale Convective System. 28th Conference on Weather Analysis and Forecasting / 24th Conference on Numerical Weather Prediction, American Meteorological Society Annual Meeting, Seattle, WA. Oral Presentation.

C. C. Crossett and C. Evans**.** 2016. Examination of the Dynamics of a Rear-Inflow Jet Associated with an Idealized Mesoscale Convective System. 28th Conference on Severe Local Storms. Portland, OR. Oral Presentation.

N. D. Metz, S. A. Callahan, **C. C. Crossett**, and E. P. Morrill**.** 2016. The Impacts of the Passage of Three Distinct Short-Wave Troughs on a Prolonged Lake-Effect Snow Event during OWLeS. 41st Annual Northeastern Storm Conference, Saratoga Springs, NY. Oral Presentation.

S. A. Callahan, N. D. Metz, **C. C. Crossett**, and E. P. Morrill**.** 2016. The Impacts of the Passage of Three Distinct Short-Wave Troughs on a Prolonged Lake-Effect Snow Event during OWLeS. 15th Annual American Meteorological Society Student Conference, New Orleans, LA. Poster.

N. D. Metz, S. A. Callahan, **C. C. Crossett**, E. P. Morrill, and N. F. Laird**.** 2015. The Impacts of the Passage of Three Distinct Short-Wave Troughs on a Prolonged Lake-Effect Snow Event during OWLeS. 16th Conference on Mesoscale Processes, Boston, MA. Oral Presentation.

N. D. Metz, M. C. Sanders, J. Corderia, and **C. C. Crossett.** 2015. Predecessor Snow Events associated with Extratropical Cyclones. 16th Conference on Mesoscale Processes, Boston, MA. Poster.

C. C. Crossett and N. D. Metz. Cold Surges along the African Highlands. 2015. 40th Annual Northeastern Storm Conference, Saratoga Springs, NY. Oral Presentation.

C. C. Crossett and N. D. Metz**.** A Climatological Study of Cold Surges along the African Highlands. 2015. 27th Conference on Climate Variability and Change, American Meteorological Society Annual Meeting, Phoenix, AZ. Poster.

N. D. Metz and **C. C. Crossett.** Case Studies of Cold Surges along the African Highlands. 2015. 27th Conference on Climate Variability and Change, American Meteorological Society Annual Meeting, Phoenix, AZ. Poster.

C. C. Crossett and N. D. Metz**.** A Climatological Study of Cold Surges along the African Highlands. 2015. 14th Annual American Meteorological Society Student Conference, Phoenix, AZ. Poster.

C. C. Crossett, E. C. Lahr, and G. W. Schade**.** Photosynthesis and Isoprene Emission from Trees Along an Urban-Rural Gradient in Texas. 2014. American Geophysical Union, Fall Meeting, San Francisco, CA. Poster.

C. C. Crossett and N. D. Metz. Cold Surges along the African Highlands. 2014. 41st Annual Paper Session, Rochester Academy of Sciences, Brockport, NY. Oral Presentation.

C. C. Crossett and N. D. Metz**.** Cold Surges along the African Highlands. 2014. New York Six Liberal Arts Consortium, Geneva, NY. Oral Presentation.

C. C. Crossett, E. C. Lahr, and G. W. Schade**.** Differences in Isoprene Emission and Photosynthesis of Post Oak (*Quercus Stellata*) Trees along an Urban-to-Rural Gradient. 2014. Texas A&M REU Poster Session, College Station, TX. Poster.

C. C. Crossett, and N. D. Metz**.** Cold Surges along the African Highlands. 2014. 39th Annual Northeastern Storm Conference, Rutland, VT. Oral Presentation.

C. C. Crossett, P. D. Eck, Z. Dameron, and N. D. Metz**.** A Comparison of the Dendritic Grown Zones in Synoptic and Lake-Effect Snow Systems. 2014. 39th Annual Northeastern Storm Conference, Rutland, VT. Poster.

C. C. Crossett and N. D. Metz**.** Cold Surges along the African Highlands. 2014. 13th Annual American Meteorological Society Student Conference, Atlanta, GA. Poster.

C. C. Crossett and N. D. Metz. Cold Surges along the African Highlands. 2013. Geoscience Seminar, Geneva, NY. Oral Presentation.

C. C. Crossett and N. D. Metz**.** Cold Surges along the African Highlands. 2013. Parents Weekend Poster Session, Geneva, NY. Poster.

OUTREACH PRESENTATIONS:

2021 Weather and Climate Research *(virtual),* Northfield Middle School, Northfield, VT.

2019 Water Quality and Macroinvertibrate Identification, Flynn Elementary School, Burlington, VT.

2018 Water Quality and Macroinvertibrate Identification, Grand Isle State Park, Grand Isle, VT.

2018 Careers in STEM and Their Role in Lake Champlain Water Quality, Williston Central School, Willison, VT.

2017 Water Quality and Macroinvertibrate Identification, Shelburne Farms, Shelburne, VT.

2017 The Weather Forecasting Process, Aquinas Academy, Menomonee Falls, WI.

2016 Cloud Class: How to be Weather Aware in the Outdoors, Tent-a-Palooza, Richfield, WI.

PROFESSIONAL DEVELOPMENT

2024 SciComm Scholars Institute, University of North Carolina Asheville

2020 Teaching and Learning in the Diverse Classroom *(online course),* Cornell University

2018–2020 Graduate Teaching Program, University of Vermont

2017, 2018 Alan Alda Communicating Science Workshop, University of Vermont

2017, 2018 Vermont EPSCoR Grant Writing Workshop, University of Vermont

PROFESSIONAL AFFILIATIONS

National Association of Geoscience Teachers	2020
American Meteorological Society	2013 – Present
American Association of State Climatologists	2019 – Present
American Geophysical Union	2014, 2022

Mrs. Sarah K McGonigal

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Status

Name	Mrs. Sarah K McGonigal
Application Date	7/11/2024
Expiration Date	7/11/2025
Board Member	**Sarah K McGonigal**
Status	Validated

Board	Vacancies	Status
Asheville-Buncombe Air Quality Agency Board	0	Pending

Basic Information

Name
Mrs. Sarah K McGonigal

Contact Information

Address
Fairview 28730

Email
REDACTED

Phone
REDACTED

Occupation

Employer
Ford Motor Company (Headquarters)

Job Title
Charging Business Development Associate Director

Are you a City of Asheville resident?
No

How did you hear about the opening
City website

List any special qualifications and or experiences you have for service on this board. (If applying for more than one board, please be specific.)
After working over a decade in the automotive, consumer goods and banking industries, I have advanced knowledge in strategy, business development negotiations, financial analysis, marketing, communications and go-to-market development and execution.

What do you think will be your best contribution to the board? (If applying for more than one board, please be specific.)
During my career, I've come to appreciate that the benefits of electrification are great on their own but are exponentially more rewarding when combined with sustainable energy generation. After moving to the Asheville area in 2021, I've come to deeply appreciate the mountains, nature and community here. There are many more EVs on the road today than there were just a few years ago and I can see that solar companies are earning business in the area. I'd like to support the City of Asheville in achieving its clean air and renewable energy goals by reviewing/drafting/implementing policies that align the benefits of electrification and renewable energy on the individual citizen and business level with those of the broader community and environment.

What would you like to achieve if appointed to this board? (If applying for more than one board, please be specific.)
I'd like to see at least a 10% uptick in EV adoption and at least a 10% reduction in greenhouse gas emissions after 3 years of my support on the Air Quality Board or on the Sustainability Committee.

Please describe your ability to listen and consider perspectives that are different from your own.
As a daughter of two university professors, I've grown up in an environment that appreciates learning and considering others' perspectives. My time working for P&G in Brazil challenged me to open up broadly to new cultures and experiences and I left with a passion for soaking up cultures and getting to know diverse perspectives. I see it as an opportunity to challenge my own thoughts and ensure I'm always growing.

Are you aware of any potential conflicts of interest that exist or may arise during your service on the board (i.e., property interest, business interest, etc.)? If yes, please explain, and if applying for more than one board, please be specific.:
Since I work for Ford which sells electric vehicles, I would have to be cognisant that any policies that mention EVs would have to be brand agnostic. To note, I do not work in sales and would not personally benefit from more Ford EV sales.

What is your geographic area/neighborhood of residency?
South Asheville

Which best describes your current housing?
Homeowner

What is your age
35-54

What is your racial or ethnic identity?
White/Non-Hispanic

What language(s) is/are spoken at your home? Please check all that apply or use "other" to describe.
REDACTED

What is your gender identity?
(Non-trans) Woman

What pronouns do you use?
REDACTED

What is your sexual orientation?
REDACTED

What is your employment status?
REDACTED

What is your yearly household income or salary?
REDACTED

What is your primary mode of transportation?
REDACTED

Are you a caregiver for or do you identify as a disabled person?
REDACTED

Do you need any reasonable accommodation to make your board service more effective? (Need of reasonable accommodation does not preclude you from consideration of appointment.)
REDACTED

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SARAH KEMPPAINEN McGONIGAL

P: 334-734-0647 | **E:** sckemppainen@gmail.com | **L:** Linkedin.com/in/sarahkemppainen/

EXPERTISE

Partnerships
Business Development
Strategy & Innovation
Agile Product Development
Human-Centered Design
Customer Focus
Go-To-Market
Change Agent
Financial Analysis
Collaboration
Communication Skills

EDUCATION

MASTER OF SCIENCE IN FINANCE
University of Alabama
2008 – 4.0 GPA

BACHELOR OF BUSINESS IN FINANCE
Auburn University
2007 – Summa Cum Laude

ADDITIONAL

Native English
Fluent Portuguese
Basic Spanish

Created and managed the Ford Treasury onboarding and training programs and supported on-campus MBA recruitment

PROFESSIONAL PROFILE

Strategy and Negotiation Expert specializing in partnerships, business development, finance and communications. Strategic problem-solver and cross-organization leader seeking an opportunity to leverage over a decade of cross-industry, cross-functional and international experience as well as a passion for electrification to grow a company's bottom line and internal and external stakeholder win-wins.

EXPERIENCE

FORD MOTOR COMPANY

Associate Director, BD & Partnerships, EV Charging | Remote | 2021 to Present

- Responsible for creation and execution of Ford's transition from CCS to NACS, including Tesla negotiation and end-to-end Go-To-Market plan.
- Negotiated optimal pricing for Ford Dealership fast charger credit card readers.
- Negotiated partnership with Sunrun where Ford & Sunrun receive revenue from sales of bi-directional and home charging equipment and installation.
- Negotiated optimal set pricing for charging hardware installation services with three vendors for Ford's Model e Dealer electrification requirements.

Associate Director, Communications, EV Charging | Michigan, USA | 2019 to 2021

- Designed and executed Ford's landmark EV charging communications strategy and go-to-market for Mustang Mach-E and F-150 Lightning.
- Created marketing claims and technical EV charging content; trained over 1,000 people to inform customers, employees, dealers, trainers and call center staff on Ford's home and public charging solutions.

Associate Director, Strategy, EV Charging | Michigan, USA | 2018 to 2019

- Created and pitched Ford's global public charging strategy to senior leadership resulting in a multi-million-dollar IT and systems development project; performed primary market research that informed the design and development of the largest OEM-offered public charging network.

Manager, Business Development & Strategy | Michigan, USA | 2016 to 2017

- Led divestiture preparation of multi-million-dollar Ford South America heavy truck business; led cross-organizational teams of 30+ from Ford, Bank of America and KPMG to deliver stand-alone business and financials.
- Negotiated terms for acqui-hire and integration of 433 BlackBerry software engineers to increase internal software capability. Synthesized Ford and VW global vehicle line-up that resulted in a partnership design leveraging Ford's commercial vehicle strength with VW's vehicle platforms.

SARAH KEMPPAINEN McGONIGAL

P: 334-734-0647 | **E:** sckemppainen@gmail.com | **L:** Linkedin.com/in/sarahkemppainen/

EXPERIENCE CONTINUED

FORD MOTOR COMPANY

Manager, Treasury, Pension Asset Management | Michigan, USA | 2015 to 2016

- Standardized governance and oversight of 27 pension plans in over 20 countries representing $1B+ in liabilities.
- Reached target de-risking for $1B+ pension plans in Australia, Belgium, Netherlands and Ireland so that pension investments will pay pension liabilities even during market fluctuations.
- Created a risk- and duration-based standard by which to measure pension asset manager's results for Ford of Belgium's pension plan, drafted and analyzed Requests for Information and Requests for Proposals, narrowed the selection to three candidates and recommended Axa based on performance and cost.

Associate (Treasury Leadership Program), Treasury, Asia Pacific Affiliate Finance | Michigan, USA | 2013 to 2015

- Architected and implemented $1B+ funding plans for Ford Motor Company's Asia Pacific subsidiaries and joint venture through inter-company loans (ICL), equity issuances, dividend payments, third-party funding and other resources.
- Established ICL method for mobilizing Ford China's cash to US until dividends could be repatriated ($1B+ facility).

Associate (Treasury Leadership Program), Treasury, Debt Capital Markets | Michigan, USA | 2012 to 2013

- Managed issuance of $14B USD-equivalent in unsecured debt in the US, Canada, and Europe to support Ford's funding strategy by working with 30+ international partner banks, internal and external legal counsel, Ford Credit and Treasury operations teams.

PROCTER & GAMBLE

Treasury Supervisor & Books Proofing Analyst, Finance & Accounting | Sao Paulo, Brazil | 2010 to 2012

- Led team of five to manage offshore and local bank accounts with international payments of ~$250 million annually.
- Analyzed the income statement and executed quarterly books sign-off for all three Brazilian legal entities to reduce P&L reporting errors, improve internal controls and upgrade P&G`s compliance with US and Brazil regulations.
- Discovered a $40 million plant pricing error, escalated to senior management for immediate resolution and led the design and implementation of an automated price check tool to eliminate future errors.

BBVA COMPASS BANK

Analyst, Treasury, Structured Finance & Capital | Alabama, USA | 2008 to 2009

- Interpreted large volume of regulations and data to explain the bank's and competitors' liquidity and issuance capabilities to the Treasurer and CFO during the financial crisis.
- Supported post-acquisition Treasury integration of Guaranty Bank, a $13B US thrift.

Dear City of Asheville,

As an experienced Associate Director for Ford's electric vehicle charging business development and go-to-market globally, I'm writing to express my interest in serving on the Air Quality Agency Board and on the Sustainability Advisory Committee when an opening arises. With my experience and passion in electrification combined with my curiosity to learn and collaborative nature, I know I would make a valuable addition to the clean air and sustainability goals of the City of Asheville.

After working over a decade in the automotive, consumer goods and banking industries, I have advanced knowledge in strategy, business development negotiations, financial analysis, marketing, communications and go-to-market development and execution. During my career, I've come to appreciate that the benefits of electrification are great on their own but are exponentially more rewarding when combined with sustainable energy generation. After moving to the Asheville area in 2021, I've come to deeply appreciate the mountains, nature and community here. There are many more EVs on the road today than there were just a few years ago and I can see that solar companies are earning business in the area. I'd like to support the City of Asheville in achieving its clean air and renewable energy goals by reviewing/drafting/implementing policies that align the benefits of electrification and renewable energy on the individual citizen and business level with those of the broader community and environment.

In addition to my professional experience and relationship-building experience, I have a solid educational foundation with a Masters in Finance and a passion for furthering projects that improve the environment and our community. I have thoroughly enjoyed my volunteer work with the Blue Ridge EV Club, Carolina Mountain Club, Conserving Carolina, Brother Wolf, Susan G. Komen 3-Day Walks and United Way and I would very much appreciate the opportunity to contribute to the City of Asheville's continued growth and success.

Please review my attached application for additional details regarding my previous experiences. Do not hesitate to reach out if you have any questions or need further clarification regarding my experience. I would love to meet you and discuss the Board opportunity and the Sustainability Committee needs in detail.

Thank you for your consideration.

Best regards,

Sarah K McGonigal

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