

VOLUNTEER APPLICATION

Greg Boiarsky

9/6/2022 10:31 PM

Application: **AQAB - Air Quality Advisory Board**

Applicant Information

Birthday: [REDACTED] Gender: Male Education Level: Doctoral degree
 Address: [REDACTED] Phone: (M) [REDACTED] «
 Fort Collins, CO 80524

Volunteer Groups Applied For

Air Quality Advisory Board

Job Description

☒ I have read the job description

Questions

I acknowledge and understand it is recommended to apply for no more than (3) Board/Commission volunteer positions in any one recruitment cycle. YES

If you have applied to or plan to apply to more than one board/ commission please list in order of interest your choices for volunteering.

I acknowledge I am available when the Air Quality Advisory Board meets: YES
The 3rd Monday of each month, 5:30 p.m.

Which Council District do you live in? Please refer to the map at: <https://gisweb.fcgov.com/HTML5Vie> 1

Current Occupation: Owner of Yellow Dog Photography LLC

Current Employer: self

Prior work experience (please include dates): Substitute Teacher Poudre School District, 2013 – present.

Adjunct Faculty and Instructor for Department of Journalism and Media Communication, Colorado State University 1995, 1998-2003.

Assistant Professor for the Division of English, Classics, Language, and Philosophy, University of Texas at San Antonio, 1995 – 1998.

Market Research Analyst (May, 1994 - August, 1994). InfoCenter Market Research, Aurora, Colorado.

Research Associate for the Center for Research on Writing and Communication Technology, Colorado State University, October 1993 - 1995.

Volunteer experience (please include dates): Member Air Quality Advisory Board, Fort Collins. January 2022-present.

Are you currently serving on a City board or Commission? If so, which one?

Why do you want to become a member of this particular board or commission?

In your opinion, what are the biggest issues related to air quality regionally and in the City?

Yes;
Air Quality Advisory Board

I would like to continue providing advise on air quality related behavioral and attitude change.

Honestly, it is difficult to narrow our problems with air quality to just a few. Fort Collins has a unique combination of geographic location, industry, and social diversity that contribute to air quality problems. Nonetheless, I believe the city should focus on the following:

1. Vehicle emissions. Problems with the traffic control system, railroad crossings, and increased vehicle traffic due to population growth have increased vehicle-sourced pollution in the last decade. In addition, Fort Collins has very little public transportation due to low interest, relatively low funding, and the impact of the ongoing COVID-19 pandemic.

I don't foresee any increased interest in public transportation within city boundaries, so air pollution must be addressed by reducing emissions at the source and improving the efficiency of the traffic control system. A two-pronged approach would work best, in my opinion. First, the city must invest resources into researching and implementing a traffic-control system that maximizes traffic flow; the worst vehicle emissions occur when vehicles are under acceleration. Similarly, idling at train crossings needs to be reduced if possible. Second, the city must provide incentives that allow residents to own/lease lower-emitting vehicles—especially electric and hybrid vehicles. Because the city has a limited budget, such incentives must come from a variety of sources including government, utilities, and private industry partnerships.

2. Household-based air pollution. Homes are significant sources of air pollutants, from VOCs used by residents to lawn mowing. The city has done a reasonable job of providing incentives to replace inefficient appliances and lawn-care equipment, but more could be done. I especially would like to see better communication to increase awareness of these programs and to improve willingness to use them.

3. Urban burning. I have been surprised at the level of citizen-produced smoke. In the past two years, Fort Collins has seen nearly unprecedented levels of wildfire smoke. I thought that experiencing this smoke would reduce residents' backyard



Smoke would reduce residents backyard burning; instead, I have noticed nearly nightly smoke drifting through my neighborhood year round. Between backyard grilling, yard waste burning, and poorly managed chimney smoke, it can be hard to find a day when strolling the city doesn't expose a person to smoke. One of the biggest draws that bring new residents to Fort Collins is our quality of life, and reducing smoke in the city would be a good way to keep that quality of life. Also, city-based smoke is health hazard and contributes to disease that strains our already burdened healthcare system, so reducing it would be economically beneficial.

Frankly, the best way to manage this problem is through enforcement and strengthening of existing regulations. While I realize that the city budget is constrained, I think that we need to invest the resources necessary to reduce city-based ash and smoke. We need more city employees to help educate citizens and punish repeat offenders.

What do you think the City should prioritize in air quality management? Travel-related emissions control, airborne VOCs, and ozone. In addition, the city should continue working to reduce indoor air pollutants.

Specify any activities which might create a serious conflict of interest if you are appointed: None

How did you learn of a vacancy on this board or commission? Newspaper

GREG BOLARSKY

Fort Collins, CO 80524

SUMMARY OF QUALIFICATIONS

- Research methodologies: experimental design, survey design, and content analysis.
- Data analysis: parametric and non-parametric techniques, including multivariate analysis.
- Grant writing.

PROFESSIONAL SKILLS

Research Skills: Data Analysis, Collection, and Interpretation

- Design and implement quantitative research projects.
- Analyze and present data using SPSS.
- Supervise graduate assistants.
- Consult on statistical design and analysis problems.

Communication Skills

- Write and edit technical documents on a variety of topics.
- Present technical information to both lay and expert audiences.
- Create visuals to effectively communicate complex data.

Computers

- Experience programming with Visual Basic and Asymetrix Multimedia Toolbook.
- Experience with variety of Windows-based and DOS-based software.
- Install and test hardware in IBM compatible PCs.
- Consult on software and hardware purchasing decisions.

EDUCATION

Ph.D., University of Wisconsin-Madison, 1993, Communication

M.A., University of Wisconsin-Madison, 1989, Communication

B.A., Michigan State University, East Lansing, 1986, Telecommunications

EMPLOYMENT HISTORY

Substitute Teacher Poudre School District, 2013 – present.

Adjunct Faculty and Instructor for Department of Journalism and Media Communication, Colorado State University 1995, 1998-2003.

Assistant Professor for the Division of English, Classics, Language, and Philosophy, University of Texas at San Antonio, 1995 – 1998.

Research Associate for the Center for Research on Writing and Communication Technology, Colorado State University, October 1993 - 1995.

Teaching Assistant, University of Wisconsin-Madison, Department of Communication, 1986-1993.

VOLUNTEER APPLICATION

Sandra LeBrun

9/7/2022 11:33 AM

Application: **AQAB - Air Quality Advisory Board**

Applicant Information

Birthday: [REDACTED] Gender: Female Education Level: College degree
 Address: [REDACTED] Phone: (M) [REDACTED] «
 Fort Collins, Co 80525

Volunteer Groups Applied For

Air Quality Advisory Board

Job Description

☒ I have read the job description

Questions

I acknowledge and understand it is recommended to apply for no more than (3) Board/Commission volunteer positions in any one recruitment cycle.	YES
If you have applied to or plan to apply to more than one board/ commission please list in order of interest your choices for volunteering.	Senior Advisory Council. My priority is Air Quality Advisory Council
I acknowledge I am available when the Air Quality Advisory Board meets: The 3rd Monday of each month, 5:30 p.m.	YES
Which Council District do you live in? Please refer to the map at: https://gisweb.fcgov.com/HTML5View	1
Current Occupation:	Retired
Current Employer:	N/A
Prior work experience (please include dates):	My career was primarily in finance and accounting. I worked as an investment advisor for 15 years, then as accountant for a software company.
Volunteer experience (please include dates):	Have volunteered with Volunteers of America and the Partners Mentor Program. I am also considering volunteering for The Mathews House on their finance advisory board. My primary desire is to continue and expand my volunteer hours with the Air Quality Advisory board. I was just appointed to the board August 15, 2022.
Are you currently serving on a City board or Commission? If so, which one?	Yes; Air Quality Advisory Board
Why do you want to become a member of this particular board or commission?	Because I care immensely about the poor air quality and want to do everything I can to help us progress toward cleaner air.
In your opinion, what are the biggest issues related to air quality regionally and in the City?	Problems with gas and oil wells in Weld County emitting green house gases and too many gas powered cars. How can we negotiate stricter air quality standards with

What do you think the City should prioritize in air quality management?

Weld while respecting their desire for jobs, etc.? Also, what more can Fort Collins do to encourage electric lawn mowers, leaf blowers, cars, etc.?

Identify worst "hot spots" with good data and work on stricter standards for oil/gas wells. Then, what should the city do (what can it afford to do) to encourage more citizens to live "greener" lifestyles.

Specify any activities which might create a serious conflict of interest if you are appointed:

Don't know of any.

How did you learn of a vacancy on this board or commission?

Newspaper

VOLUNTEER APPLICATION

Gavin McMeeking

9/12/2022 2:09 PM

Application: **AQAB - Air Quality Advisory Board**

Applicant Information

Birthday: [REDACTED] Gender: Male Education Level: PhD
 Address: [REDACTED] Phone: (M) [REDACTED] «
 Fort Collins, CO 80528

Volunteer Groups Applied For

Air Quality Advisory Board

Skills & Interests

Additional Skills / Interests: Some spanish

Job Description

☒ I have read the job description

Questions

I acknowledge and understand it is recommended to apply for no more than (3) Board/Commission volunteer positions in any one recruitment cycle.	YES
If applying for more than (1) board/commission please list all boards in order of preference (the most important board to you should be listed first). Please enter N/A if you have not applied to more than one board/commission.	N/A
I acknowledge I am available when the Air Quality Advisory Board meets: The 3rd Monday of each month, 5:30 p.m.	YES
Which Council District do you live in? Please refer to the map at: https://gisweb.fcgov.com/HTML5Vie	3
Current Occupation:	Chief Technology Officer
Current Employer:	CloudSci LLC
Prior work experience (please include dates):	Vice President, Research and Development at Handix Scientific (atmospheric instrument development company based in Fort Collins) 2015-2022 Scientist and Sales Specialist at Droplet Measurement Technologies (atmospheric instrument company based in Boulder) 2012-2015 Research Scientist at Colorado State University Dept. of Atmospheric Science (2011-2012) Postdoc at University of Manchester, UK 2008-2011

Volunteer experience (please include dates):

Various school volunteering such as classroom reading, teacher assistance, etc (2016 - present)
Various positions with the American Association of Aerosol Research

Are you currently serving on a City board or Commission? If so, which one?

No

Why do you want to become a member of this particular board or commission?

I have studied air pollution and its impacts for almost twenty years, focusing on particulate matter pollution and instrument technology and development, and lived in Fort Collins for most of that time. I have also managed a small business and learned about the many challenges and requirements of rules and regulations. I feel my experience as both a subject matter expert and business leader would be of benefit to the advisory board, and would love to give back to this community that I am proud to now call home and where we are raising my family. As climate changes and air quality worsens due to a variety of effects I think it is imperative that the city receive the best possible advice regarding meaningful and impactful steps that could be taken to improve air quality.

In your opinion, what are the biggest issues related to air quality regionally and in the City?

Emissions from small, off-road point sources (lawnmowers etc.), uncontrolled activities that emit harmful VOCs and NOX, and general increase in background wildfire smoke are all major challenges. Also major issues related to traffic that seems to be getting worse every year.

What do you think the City should prioritize in air quality management?

Small steps should be taken where costs would be relatively low (encouraging use of electric mowers, leaf blowers, trimmers) compared to likely benefits. I think getting community "buy in" is also critical to making meaningful, lasting change in patterns and habits that contribute to ozone and other pollutants. We should tap into the increasingly available low-cost sensor network data (e.g., Purpleair) and find ways to disseminate the information to the community. Also important is recognizing link between outdoor and indoor air quality, and help educate people on best methods to improve indoor air quality where most time is spent.

Specify any activities which might create a serious conflict of interest if you are appointed:

I have a financial interest in selling monitoring equipment used for measuring air quality, though my work focuses on non-regulated particles (such as biological aerosols, light absorbing aerosols). I would recuse myself from any situation where my company's products would be potentially used for measuring or monitoring air quality.

How did you learn of a vacancy on this board or commission?

Newspaper;
Article in Coloradoan and colleague is a

former member (Kip Carrico) and
suggested I apply.

Gavin R. McMeeking

Career Objective

Experienced aerosol scientist, instrument developer, and business manager with interests in climate change, environmental health, air quality, and optics.

Education

Colorado State University, Fort Collins, Colorado

Ph.D., M.S. in Atmospheric Science, December 2004, 2008

- Dissertation Title: "The optical, chemical, and physical properties of aerosols and gases emitted by the laboratory combustion of wildland fuels"
- Herbert Riehl Memorial Award (2005)
- AAAS Mass Media Fellowship (2005)
- DOE Global Change Education Program Environmental Research Fellowship (2005-2008)
- ACCESS X Participant (2009)

University of California, Berkeley, California

B.A. in Earth and Planetary Science, May 2002

Related Experience

CloudSci LLC, Chief Technology Officer

Sept. 2022 – present

- Proposal development

Handix Scientific Inc., Vice President of R&D

July 2019 – Aug. 2022

- Manage research staff of seven scientists and engineers
- Project manager for multiple SBIR Phase I and Phase II contracts and grants
- Budgeting, contracting, procurement, sales for multiple product lines

Handix Scientific Inc., Senior Scientist/Principal Scientist

Sept. 2015 – June 2019

- Perform independent research related to development and testing of measurement methods
- Initiate, develop and write multiple SBIR and conventional research proposals
- Product technical lead on POPS aerosol size measurement instrument
- Develop software for analysis and operation of multiple instruments

Droplet Measurement Technologies, Scientist/Sales Specialist

June 2012 – Sept. 2015

- Lead customer contact and sales representative for aerosol measurement instruments
- Technical customer support for multiple aerosol instruments
- Assist with product development including hardware and software

Colorado State University, Research Scientist I

March 2011 – Dec. 2012

- Carry out aircraft measurements of ice nucleating particles using a custom-built instrument
- Present research findings and contribute to peer-reviewed publications

University of Manchester, Postdoc

August 2008 – Feb. 2011

- Perform aircraft measurements of black carbon aerosol properties
- Analyze aerosol and trace gas data from multiple instruments
- Present research findings, contribute to and lead peer-reviewed publications

Skills

Project management, product lifecycle development, team management, sales, technical writing, technical support, oral presentation, data analysis (proficient in Igor Pro and Python), monday.com, Quickbooks, MS Office, contract review, business development, strategic planning, inventory and manufacturing process development, instrument calibration, optical alignment, electronics, mechanical design, experimental design