### CLEARANCES

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<th>Originator:</th>
<th>Initial</th>
<th>Date</th>
<th>Date Received in Council Office</th>
<th>Agenda Date</th>
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<tr>
<td></td>
<td>Weiner</td>
<td>1/8/2018</td>
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<td>1/16/2018</td>
<td>Council Introduction</td>
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<tr>
<td>Executive:</td>
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</table>

### TITLE OF DOCUMENT:

Appointments to Climate Impact Advisory Committee

### ATTACHMENTS:

Applications

### SEPA review required? ( ) Yes ( ) NO

### SEPA review completed? ( ) Yes ( ) NO

### Should Clerk schedule a hearing? ( ) Yes ( X ) NO

### Requested Date:

### SUMMARY STATEMENT OR LEGAL NOTICE LANGUAGE:

(If this item is an ordinance or requires a public hearing, you must provide the language for use in the required public notice. Be specific and cite RCW or WCC as appropriate. Be clear in explaining the intent of the action.)

Ordinance 2017-080 was adopted establishing the Whatcom County Climate Impact Advisory Committee on December 5, 2017. The Whatcom County Council established the goal of 100% renewable energy use within County Operations and larger Whatcom County community, and directs the Whatcom County Climate Impact Advisory Committee to work diligently toward that goal.

### COMMITTEE ACTION:

### COUNCIL ACTION:

**Related County Contract #:**

**Related File Numbers:**

**Ordinance or Resolution Number:**

Please Note: Once adopted and signed, ordinances and resolutions are available for viewing and printing on the County’s website at: www.co.whatcom.wa.us/council.
Whatcom County Council is now accepting applications for the Climate Impact Advisory Committee. All appointees must live in and be registered to vote in Whatcom County, and, if applicable, meet the residency, employment, and/or affiliation requirements of the position. Applications must be submitted to the County Council office. Applications can be completed online, and are available in the Council Office, 311 Grand Ave., Suite 105, Bellingham, Washington, 360-778-5010, or the County website at: www.co.whatcom.wa.us/1584/How-to-Apply

CLIMATE IMPACT ADVISORY COMMITTEE
11 Vacancies – 7 of the members will have previous work or educational experience in subjects including climate change, renewable energy development, energy conservation, energy sector, waste reduction and recycling, farming, food security, land use planning, municipal government and flood mitigation and planning. Elected officials and staff from the cities within the county are eligible and encouraged to participate as members. Council-appointed.

Purpose.
The Whatcom County Climate Impact Advisory Committee provides review and recommendations to the Whatcom County Council and Executive on issues related to the preparation and adaptation for, and the prevention and mitigation of, impacts of climate change.

Function.
To advise the County Council or the Executive on the following functions:

A. Evaluating and reporting on Whatcom County’s compliance with meeting targets for greenhouse gas reduction set forth in the 2007 Climate Action Plan, and setting targets, evaluating and reporting on the 100% renewable energy goal established in Ordinance 2017-080; and

B. Periodically recommending to the County Council new or revised targets that meet or exceed state and federal greenhouse gas reduction and renewable energy goals; and

C. Updating the Climate Action Plan, at a minimum every five years, or as needed to meet targets; and

D. Make recommendations to the Whatcom County Council about policies and budget priorities that will support a stable and just transition for workers and businesses, wherever possible encouraging and supporting a predictable shift towards clean energy and low carbon alternatives within the same or similar industry; and

E. Review available science, and recommend to the County Council the adoption of standardized guidelines for anticipated future sea level rise, risk of flood, fires, drought and other impacts of climate change to be used in community planning and capital facilities development; and

F. Recommending updates to the Whatcom County Comprehensive Plan in accordance with meeting Whatcom County’s goals to mitigate climate change, and prevent, adapt to, and prepare for climate change impacts; and

G. Recommend updates to Whatcom County land use policies and development regulations to support Whatcom County’s goals to prevent, adapt to, and prepare for climate change impacts.

H. Serve as a conduit for public education, information exchange, and engagement in support of Whatcom County’s climate change mitigation and impact prevention, adaptation, and preparation goals.

I. Make recommendations relevant to Whatcom County’s climate change mitigation and impact prevention, adaptation and preparation goals to the Whatcom County Council and Whatcom County Executive regarding state and federal policy priorities.
CLIMATE IMPACT ADVISORY COMMITTEE

The Whatcom County Climate Impact Advisory Committee provides review and recommendations to the Whatcom County Council and Executive on issues related to the preparation and adaptation for, and the prevention and mitigation of, Impacts of climate change.

11 Vacancies – 7 of the members will have previous work or educational experience in subjects including climate change, renewable energy development, energy conservation, energy sector, waste reduction and recycling, farming, food security, land use planning, municipal government and flood mitigation and planning. Elected officials and staff from the cities within the county are eligible and encouraged to participate as members.

Terms will be three years; the terms of members first appointed will be staggered so that five of the initial committee members shall be appointed for two years.

Applicants:

John All
William Angel
Charles Barnhart
Tiffany Bell
Lynn Billington
Kate Blystone
John Bosche
Ginny Broadhurst
Clara Jean Carmean
Francis Fitzgerald
Seth Fleetwood
Kristin Forck
Erin Fortenberry
Patrick Freeland
Treva Gabrish
Derek Gremban
Eric Grossman
William Harman
Jacob Hartsoch
C. Kenneth Heck
Renee Holt
Tim Johnson
David Kershner

George Lawrence
Jocelyn Leroux
Laura McKinney
Sean Mertens
Tim Miller
Rachael Mueller
Dana Oster
Sandy Paris
Jenny Rae
Alex Ramel
Joyce Segal
Sharon Shewmake
Lauren Turner
Edward Ury
Colin Wahl
Gabriel Westergreen
Jill MacIntyre Witt
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
THIS IS A PUBLIC DOCUMENT: As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

First Name  John
Last Name   All
Date        12/20/2017
Street Address  1802 Rainier Ave
City        Bellingham
Zip         98229
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.

Primary Telephone  2707911993
Secondary Telephone    Field not completed.
Email Address  john.all@wwu.edu

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 1

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, Professor at WWU and Lawyer
professional and/or community activities, and education

10. Please describe why you're interested in serving on this board or commission

I have a lot of experience in this area and want to serve my community as we adapt to future climate change.

References (please include daytime telephone number):

Steve Hollenhorst, Dean, Huxley College of the Environment - 360-650-3521

Signature of applicant: John All

Place Signed / Submitted: Bellingham, WA

Email not displaying correctly? View it in your browser.
EDUCATION

THE UNIVERSITY OF ARIZONA
School of Social and Behavioral Sciences
Ph.D. - Geography and Regional Development
Minors: Anthropology, Global Change
(Two years coursework in the School of Renewable Natural Resources)
PhD Dissertation Title - *International Utilization of Shared Water Resources: A Case Study of the Colorado River Delta and Upper Gulf of California, Mexico*

THE UNIVERSITY OF GEORGIA
School of Law
Juris Doctorate, emphasis in International Environmental Law
Member, Georgia State Bar Association (*inactive*)
Graduate School
Institute of Ecology, Environmental Ethics Certificate
Franklin College of Arts and Sciences
Honors Program

DUKE UNIVERSITY
Trinity College of Arts and Sciences
Bachelor of Arts in History, Environmental Sciences

PROFESSIONAL EXPERIENCE

*Mountain Environments Research Institute, Western Washington University.* Bellingham, WA.
Director and Research Professor, August 2015 – Present.
Duties: Develop and lead a research program examining human adaptation to climate change in mountain regions, community development and sustainability, environmental change, and land change science. Serve as a resource on mountain and extreme environments expedition planning and logistics. Lead student independent research projects, advise undergraduate and graduate students, teach courses when programmatic needs arise.

*WWU Community Engagement Fellow 2016-2017.*

*American Climber Science Program (ACSP),* Nederland, Co
Executive Director: 2011 – Present.
Director, ACSP-Peru Expeditions: 2011 – Present
Co-Director, ACSP-Costa Rica Expedition: 2013/14
Director, ACSP-Nepal Expeditions: 2014
Duties: Manage the Program and lead research expeditions. Coordinate research activities of over ten scientists and an average of ten students per year. Organize logistics and acquire funding for all Program activities. Organize fundraisers, prepare web pages and other outreach through a variety of media, lead science expeditions to the Andes and the Himalayas. Notable Summits - Mt. Everest (8850 m) in 2010 via the North Col/Northeast Ridge in Tibet to collect environmental data and rock samples, Traversed Artesonraju, Peru (6025m) via the North Ridge/Southeast Face in 2011 to collect snow samples, and environmental data, Huascaran Sur (6768m) in 2011 to collect snow samples, and environmental data, crossed Costa Rica in 2013/14 from the Pacific Ocean to the Atlantic Ocean through the Talamancas as part of an environmental traverse.

*Department of Geography and Geology, Western Kentucky University.* Bowling Green, Kentucky.
Geography Department Program Leader, 2010 – 2013.
Associate Professor with Tenure, August 2008 – July 2016.
Assistant Professor. August 2002 – August 2008.
Duties: Teach biogeography, remote sensing, advanced GIS, environmental science, world regional geography, human geography, physical geography, global climate change, environmental ethics, environmental planning, natural resource management, stormwater management, and environmental law courses at both the undergraduate and graduate level. Organized and led the Human-Environmental Linkages Program (HELP). Conducted research on local and international environmental degradation, biogeography, resource issues, and climate change from a law/policy background using remote sensing and GIS tools.

**Institute for the Study of Planet Earth, University of Arizona.** Tucson, Arizona.
Duties: Served as the Program Officer for an Initiative on Climate Variability, Environment, and Human Health (Co-Convened by WHO, WMO, FAO, and UNEP). Managed Logistics and provided background research to support the Joint Organizing Committee for the Sino - U. S. Center for Soil and Water Conservation and Environmental Protection. Local Director of the 1999 NOAA National Weather Service Climate Diagnostics Workshop with over 160 participants. Involved in the Sun-Climate Interactions program. Also responsible for the creation and maintenance of web pages, conducting literary and data reviews on climate variability, and preparing technical reports and figures for professional presentation and publication.

**Department of Geography and Regional Development, University of Arizona.** Tucson, Arizona.
Instructor. 1999 – 2001
Teaching Assistant. 1996-1998
Research Assistant. 1994 - 1996

**Monsanto Corporation.** Arizona and Southwestern Georgia.
Duties: Conducted semi-structured interviews of farmers to ensure understanding and compliance with federal and proprietary regulations controlling the use of transgenic crops. Worked with local extension service and sales personnel in region-wide information dispersal.

Duties: Projects included sampling insect pests and biological control agents for pest management decisions, coordinating research projects with university personnel and cooperator farmers, analyzing research data, designing and implementing experiments to evaluate the efficacy of “biorational” insect control products and preparing written reports for corporate offices and for registration of products with EPA.

**PUBLICATIONS**

**DOI:** 10.4996/fireecology.130288764


All, J. 2013. Following in the Footsteps of Legends while studying Climate Change on Mt. Everest. FOCUS on Geography. 56(1): 8-22.


PUBLIC PRESENTATIONS

Keynote Addresses


Western Kentucky University Freshman Convocation. Bowling Green, KY. August 17, 2014. Talk Title: *Perseverance, survival, and persistence – overcoming obstacles and graduating in four years*. Audience: 6500 people

Sagarmatha World Heritage Site: Climate Change Implications for Biodiversity, Environment, and Livelihoods Special Workshop. Katmandu, Nepal. April 9, 2014. *Climate Changes and Human Impacts Affecting the Sagarmatha National Park Region*. Audience: 150 people (Note: Received a special award for this work and a large trophy from the British Ambassador and the Nepal Botanical Society.)

Invited Seminars and Workshops


Pathways to Sustainability Workshop. Panelist and Speaker. Western Kentucky University. Bowling Green, KY. April 17-18, 2015.

Interfaith Workshop on Earth Care. Panelist and Speaker. Western Kentucky University. Bowling Green, KY. April 10-11, 2015.


Environmental Change in the Mountains of the World and the American Climber Science Program. November 9, 2012. Western Kentucky University, Geography and Geology Seminar Series.


Research Methodology Training: GIS and Remote Sensing Applications for Natural Resource Management. February 22 – March 4, 2010. Tribhuvan University, Kirtipur, Kathmandu, Nepal. (Note: I was given a large statue by the class in thanks.)


**TEACHING**

**Courses Taught**

**Western Washington University**

Fall 2017       ESCI 392 Introduction to Global Change
Fall 2017       ESCI 439 Conservation of Biological Diversity

Summer 2017     ESCI 498D Ecology of the Peruvian Andes

Spring 2017     ENVS 201 Understanding Environmental Data and Information
Spring 2017     ESCI 397H Intro to Mountain Research
Spring 2017     ESCI 397P Mountain Permaculture Science

Winter 2017     ENVS 204 Human Geography
Winter 2017     ENVS 316 Mountain Environmental Policy and Development

Fall 2016       ENVS 201 Understanding Environmental Data and Information

Summer 2016     ESCI 498D Ecology of the Peruvian Andes

Spring 2016     ESCI 325 Fundamentals of Ecology
Spring 2016     ESCI 397H Introduction to Mountain Research

Winter 2015     ENVS 204 Human Geography
Winter 2015     ENVS 316 Mountain Environmental Policy and Development
Winter 2015     ENVS 341 Populations and Resources

Fall 2015       ESCI 435 Landscape Ecology
Fall 2015       ESCI 535 Advanced Landscape Ecology

Winter 2014     ENVS 450 US Environmental Policy
Winter 2014     ENVS 456 US and WA State Environmental Regulation
SERVICE ACTIVITIES

Professional

Member, International Union for the Conservation of Nature (IUCN), World Commission on Protected Areas (WCPA), Mountain Protected Areas Network. 2009 – Present
Organizing Committee Member and Program Officer, U.N. Conference on Climate Variability and Human Health, 1998 - 2003
American Association for the Advancement of Science, Committee Member for the Geology and Geography Section, 2004 - present
American Alpine Club, Official Representative to the American Association for the Advancement of Science, 2004 – present
American Climber Science Program, Executive Director, 2011 – Present
National Conservation Committee Member (Science Advisor), American Alpine Club, 2006 - Present
Rolex Explorers Club Grant Committee, 2017 - present
Globe International Scientists Network, 2015 - present
State of Kentucky, Climate Change Response Committee, Member, 2013 - 2015
National Science Foundation Proposal Reviewer, Geography Section, 2003 - Present
Manuscript Reviewer, Environmental Management, 2005 – Present
Manuscript Reviewer, Remote Sensing of Environment, 2006 – Present
Manuscript Reviewer, Journal of Coastal Research, 2007 – Present
Manuscript Reviewer, Open Journal of Remote Sensing, 2010 – Present
Manuscript Reviewer, Environmental Monitoring and Assessment, 2011 – Present
America View Disaster Response Remote Sensing Volunteer, 2010 – present
Kentucky Spectral Library, Steering Committee, 2012 - 2015
Central Kentucky Cave Survey Board Member, 2002 - 2008
Nominated for the Board of Governors, North American Section, Society for Conservation Biology, 2004
American Association for the Advancement of Science Annual Meeting Symposium Proposal Reviewer (2006 – present)

MEMBERSHIPS

Lifetime Fellow of the Explorers Club, New York City
American Association for the Advancement of Science
Association of American Geographers
American Geophysical Union
American Society for Photogrammetry & Remote Sensing
Board and Commission Application

Step 1

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First Name  William
Last Name   Angel
Date        12/8/2017
Street Address  656 Kirkview Place
City        Bellingham
Zip          98226
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone  360-255-9194
Secondary Telephone  360-296-5322
Email Address  wangel@co.whatcom.wa.us

Step 2
1. Name of Board or Committee

| Other | Climate Impacts Advisory Committee |

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?

| Yes |

3. Which Council district do you live in?

| District 2 |

4. Are you a US citizen?

| Yes |

5. Are you registered to vote in Whatcom County?

| Yes |

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?

| No |

7. Have you ever been a member of this Board/Commission?

| No |

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?

| Yes |

If yes, please explain

| I am an employee of the Whatcom County Health Department |

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

| Application for the Whatcom County Climate Impact Advisory Committee.pdf |

9. Please describe your occupation (or former occupation if retired),

| 18-year employee of the Whatcom County Health Department as an Environmental Public Health Inspector Bachelors of Environmental Health Science Degree –UW School of Public... |
qualifications, professional and/or community activities, and education

Health: Completed climate change course work at WSU Extension - Whatcom County
Developed professional expertise in current waste management operations, regulations, and resource recycling; including anaerobic digester and composter operations, biosolids and manure land applications, soil health and improvement and protection
Maintain professional (regulatory) relationships with several agriculturally based businesses, and consultants in Whatcom County. Provide pollution prevention technical assistance for businesses and government entities
Personal interest and action for school gardens, community gardens, farm to school programs, and climate science

10. Please describe why you're interested in serving on this board or commission

I want to ensure that our community makes best use of all available resources, tools, knowledge, funding, and citizen engagement to craft local strategies that will build resilience against climate change effects. I am connected professionally and personally with many of the local people engaged in resource conservation, reuse, and recycling, and I am familiar with the societal factors of sustainability and community resilience.

References (please include daytime telephone number):

Regina Delahunt, Director, Whatcom County Health Dept - 360-778-6005
Jeff Hegedus EH Supervisor, Whatcom Health Dept. 360-778-6044
Marnie Boardman, WA Dept of Health 360-236-3344
Chris Clark, Whatcom Conservation District 360-815-5359
Stephanie Harvey, Green Earth Technologies Composting 360-354-4936
Larry McCarter, Recycling and Disposal Services 360-384-8011
Troy Lautenbach, Lautenbach Industries Material Recovery 360-815-3222

Signature of applicant: Bill Angel

Place Signed / Submitted: Whatcom County Health Department, 509 Girard Street, Bellingham
Application for the Whatcom County Climate Impact Advisory Committee - Additional information

Bill Angel, 656 Kirkview Place, Bellingham, WA 98226  360-255-9194

18-years with the Whatcom County Health Department as an Environmental Public Health Specialist

Bachelors of Environmental Health Science Degree –UW School of Public Health

Completed Carbon Masters, climate change science, course work and community service with WSU Extension - Whatcom County

Presented about the public health concerns of climate change to the educational conference of the WA State Environmental Public Health professional association – WSEHA. Myriad current and anticipated climate impacts were recognized and discussed for every field of public health (food, water, sewage, air quality, wastes, heat stress, fires, mental health, refugees, emergency response, changing disease patterns, and community resilience)

Developed professional expertise in current waste management operations, regulations, and resource recycling; including anaerobic digester and composter operations, biosolids and manure land applications, soil health and improvement and protection

Maintain professional (regulatory) relationships with several agricultural and resource recovery based businesses, and consultants in Whatcom County.

Provide pollution prevention technical assistance for businesses and government entities

Personal interests and actions for community climate resilience include; initiated one neighborhood community garden and two school gardens, flagship member of the Bellingham Farm to School Program, and continuing education about climate science, and the innovations that will be helpful in our process of transition to a clean energy economy
Board and Commission Application

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<tr>
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</tr>
<tr>
<td>Street Address</td>
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<td>City</td>
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<tr>
<td>Zip</td>
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<td>Do you live in &amp; are you registered to vote in Whatcom County?</td>
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<tr>
<td>Secondary Telephone</td>
<td>3606504423</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:charles.barnhart@wwu.edu">charles.barnhart@wwu.edu</a></td>
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Step 2
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<tr>
<td>1. Name of Board or Committee</td>
<td>Climate Impact Advisory Committee</td>
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<tr>
<td>2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying?</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Which Council district do you live in?</td>
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</tr>
<tr>
<td>4. Are you a US citizen?</td>
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</tr>
<tr>
<td>5. Are you registered to vote in Whatcom County?</td>
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</tr>
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<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?</td>
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<td>7. Have you ever been a member of this Board/Commission?</td>
<td>No</td>
</tr>
<tr>
<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>No</td>
</tr>
</tbody>
</table>

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, Assistant Professor of Environmental Sciences, Western Washington University. Permanent faculty for Western’s Institute of Energy Studies. Former member of Stanford University’s Global Climate and Energy Project.
professional and/or community activities, and education

10. Please describe why you're interested in serving on this board or commission

We are facing severe climate, energy and water challenges this century. As a physicist, I have dedicated my career to mitigating these problems. By serving on this board I can have a direct impact on our community--going beyond academic reports and teaching classes. Together with the climate impact advisory committee we can ensure that Whatcom county remains resilient and positioned for success in the secure, clean, low-carbon energy future.

References (please include daytime telephone number):

Professor Andy Bunn, Western Washington University 360-650-4252
Professor Joel Swisher, Western Washington University 360-650-4424
Professor Adam Brandt, Stanford University 650-724-8251

Signature of applicant: Charles Barnhart

Place Signed / Submitted: WWU, Bellingham, WA

Email not displaying correctly? View it in your browser.
Charles J. Barnhart

CONTACT INFORMATION
Department of Environmental Sciences
Huxley College of the Environment
Western Washington University
516 High St., MS9181
Bellingham, WA 98225

Faculty: Institute for Energy Studies
Office: (360) 650-4423
Email: charles.barnhart@wwu.edu
WWW: https://energy.wwu.edu/users/barnhac2
CV Date: January 19th, 2017

CURRENT POSITION
Assistant Professor, Environmental Sciences, Western Washington University
Snohomish PUD Professor, Institute for Energy Studies, WWU

EDUCATION
Postdoctoral Scholar (2014), Energy Resources Engineering, Stanford University
Ph.D. (2010), Planetary Geophysics, University of California, Santa Cruz
  • Dissertation title: Modeling geologic phenomena related to water on Mars: post-impact hydrothermal systems, impact excavation, and valley network evolution
B.S. (2004), Physics, University of Washington, Seattle
B.S. (2004), Astronomy, University of Washington, Seattle

ACADEMIC EXPERIENCE
Western Washington University September 2014 to Present
Assistant Professor–Environmental Sciences, Institute for Energy Studies
• Teaching: Professor for ENRG/ESCI 380, ENRG/ESCI 480, ENRG 101 (new preparation), ENRG/ESCI 366 (new preparation), ENRG 370
• Service: 1) Initiated and moving forward with WWU-city of Bellingham community energy center. 2) Chair of Huxley College Community Affairs committee. 3) Permanent faculty for the Institute for Energy Studies. 4) Defense committee member: Mira Lutz. 5) Co-host weekly Science... Sort of podcast. 6) Institute for Energy Studies photographer. 7) Editor for BERQ, nature publishing group.
• Research: 1) Continued post-doctoral research into Net Energy Analysis and Life Cycle Analysis of renewable energy resources and resources for power grid flexibility.
• Mentored two internship projects summer 2016: Josh Ullerich (Snohomish PUD), Kyle Easton (ITEK solar)
• Plan to mentor first graduate student, Aden Nevler, starting fall 2017.

Stanford University November 2010 to June 2014
Postdoctoral Scholar–Energy Systems Analysis
• Teaching: Lecturer for Energy 101, Energy and the Environment.
• Service: 1) GIS consultant, 2) Assessed energy needs of rural villages in India. 3) Referee for “Energy and Environmental Science”, “Energies”, “Journal of Geophysical Research”, “Icarus”, and “Geophysical Research Letters” scientific journals
• Research: 1) Material and Energetic requirements for grid-scale energy storage. 2) Energy systems analysis of wind and solar resources paired with energy storage. 3) Levelized cost of electricity analysis of technologies for power grid-flexibility. 4) GIS analysis of geological energy storage technological potential.

TEACHING EXPERIENCE
• (2017) WWU, Asst. Professor, Co-teach ENRG 370, Energy Science II
• (2015, 2016) WWU, Asst. Professor, ENRG/ESCI 480, Energy Applications
• (2007, 2008) UCSC, TA, EARTH 80G, Planetary Discovery
• (2003) UW, Tutor, Physics 121, Introduction to Calculus-based Mechanics

**Employment History**

• 2014-Present: Assistant Professor, Environmental Sciences, Western Washington University
• 2010-2014: Postdoctoral Scholar, Global Climate and Energy Project, Stanford University
• 2010-2010: Postdoctoral Scholar, NASA Ames Research Center, NASA Postdoctoral Program
• 2004-2010: Graduate Student Researcher, University of California, Santa Cruz
• 2004-2010: Teaching Assistant, University of California, Santa Cruz
• 2003-2004: Undergraduate Researcher, University of Washington, Advisor: David Catling
• 2003-2004: Undergraduate Teaching Assistant, University of Washington, Physics tutorial section
• 2000-2004: Laboratory Technician, Targeted Genetics Corp., Seattle, WA

**Public and Professional Service**

• January 2016- Present: Member on the editorial board for Biophysical Economics and Resource Quality (Springer Nature).
• September 2015 - Present: Seeking to establish a community energy center
• September 2015 - Present: Huxley College Community Affairs Committee Chair
• September 2015 - Present: Huxley College Energy Use Audit
• May 2013 - 2014: Geophysics Consultant, Valhalla Energy-pumped hydro project in Chile
• September 2009 - Present: Weekly podcast “Science... Sort Of” http://www.sciencesortof.com
• December 2009 - May 2010: Graduate representative on faculty search committee, UCSC
• June 2008 - Present: Reviewer of articles submitted for publication in scientific journals
• November 2010 - June 2014: Reviewer research proposals submitted to GCEP

**Honors and Awards**

• 2010: Student Paper Award on behalf of the Planetary Geology Division of the Geological Society of America
• 2007-2010: NASA Graduate Student Research Fellow.
• 2006-2007: NASA Ames / University of California Aligned Research Fellow

**Research Grants**

• Dept of Energy–Shell Energy Pumped Storage Project submitted fall 2016
• Snohomish PUD Professorship Research Grant Awarded spring 2016
• WWU Huxley College Startup Grant
• Proposed: NSF-Environmental Sustainability: Meta-analysis of lifecycle energetic and material inputs to coal and natural gas electricity generation pathways.

**Peer-reviewed publications**


In Preparation


Jones, W., Barnhart, C.J., in prep Energy and carbon expenditures for transporting PRB coal to China.


C.J. Barnhart Curriculum Vitae


Invited NWHA Pumped Storage Workshop, Grid Level Storage Comparison, Portland, OR (Feb 2016)


Invited NSF Food-Water-Energy Nexus Workshop, Linfield, OR (Jan 2016)

LCA XV Conference, Vancouver, B.C. (October 2015)


LCA XIV San Francisco, C.A. (October 2014)


Invited Global Climate and Energy Project Research Symposium, October 12th, 2012

Invited Stanford University, Energy Resources Engineering departmental seminar, November 15th, 2011

Invited 2nd International Workshop on Martian Valley Networks, October 20, 2008
Letters of reference will be furnished upon request from the following professors and civil servants:

Andy Bunn  
Professor, Department of Environmental Sciences  
Western Washington University  
MS 9181  
516 High St.  
Bellingham, WA 98225  
andy.bunn@wwu.edu

Sally Benson  
Director, Global Climate and Energy Project (GCEP)  
Professor, Department of Energy Resources Engineering  
Stanford University  
71 Green Earth Sciences Bld.  
367 Panama St.  
Stanford, CA 94305  
smbenson@stanford.edu  
(650) 725-0358

Francis Nimmo  
Professor  
Room A219 EMS  
Dept. of Earth and Planetary Sciences  
University of California, Santa Cruz  
1156 High St.  
Santa Cruz, CA 95064  
fnimmo@pmc.ucsc.edu  
(831) 459 1783

Additional referees available upon request.
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement

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First Name   Tiffany
Last Name    Bell
Date         12/29/2017
Street Address 4634 Guide Meridian
City         Bellingham
Zip          98226
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 360-220-7391
Secondary Telephone Field not completed.

Email Address tenfoldfarm@gmail.com

Step 2
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
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<tr>
<td>1. Name of Board or Committee</td>
<td>Climate Impact Advisory Committee</td>
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<tr>
<td>3. Which Council district do you live in?</td>
<td>District 3</td>
</tr>
<tr>
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</tr>
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<td>No</td>
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<tr>
<td>7. Have you ever been a member of this Board/Commission?</td>
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</tr>
<tr>
<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>No</td>
</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td>Tiffany Bell- Resume.pdf</td>
</tr>
<tr>
<td>9. Please describe your occupation (or former occupation if retired), qualifications,</td>
<td>Field not completed.</td>
</tr>
</tbody>
</table>
professional and/or community activities, and education

10. Please describe why you’re interested in serving on this board or commission

References (please include daytime telephone number):

Field not completed.

Signature of applicant: Tiffany Bell

Place Signed / Submitted: Bellingham, WA

(Section Break)

Email not displaying correctly? View it in your browser.
Objective

A professional with over 15 years experience working in diverse government, consulting, business, and marketing environments. Effective manager of office operations utilizing Microsoft Office products, QuickBooks, and AccountEdge. Able to quickly and effectively develop positive working relationships. Looking to work with a company with a focus on local needs in Whatcom County.

Experience

Bell Homes LLC - Administrative Coordinator 07/2015- present
Provide confidential secretarial and administrative support in the construction industry, including scheduling, travel arrangements, screening, and telephone communications. Serves as a primary point of direct administrative contact and liaison with vendors, state agencies, and customers. Gather, update, reconcile, and maintain financial records. Assist with project development and planning to ensure efficient service. Compose and prepare written documentation and correspondence, screen and evaluate incoming and outgoing corresponded and prepare responses as needed. Perform miscellaneous job-related duties as assigned.

Ten Fold Farm LLC - Manager 02/2015-present
Responsible for marketing and sales of the farm’s vegetable, egg, and USDA meat products including attending farmer’s markets, special events, and community events. Designed and purchase marketing materials. Responsible for media relations including interviews with local newspapers, magazines and local news media. Responsible for all accounts payable, maintained financial records, profit projections and collections. Ensure compliance with all Federal and State laws and regulations.

Son-Rise Property Management Community Association Assistant 04/2014-06/2015
Assisted in managing a portfolio of Community Associations that included homes, townhomes, and/or condominiums. Assisted Board of Directors and homeowners with problem resolution. Communicated in person, telephone, or email to board members, homeowners and vendors regarding association community business. Assisted Community Association Manager in providing management services in compliance with the terms of the management contract. Reconciled all bank statements for the associations. Negotiated and contracted with vendors and general contractors for Community association needs.

Skills

Microsoft Office (Word, Excel, PowerPoint, Outlook), Internet Research, QuickBooks 2014 and QuickBooks Online, AccountEdge Pro

Volunteer

American Red Cross: Disaster Services
Lynden Farmers Market: President
Board and Commission Application

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First Name Lynn
Last Name Billington
Date 1/9/2018
Street Address 401 N, Forest
City Bellingham
Zip 98225
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 360-393-6917
Secondary Telephone Field not completed.
Email Address lynnbillington@comcast.net

Step 2
1. Name of Board or Committee
Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 1

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, I am a Professional Civil/Environmental Engineer registered in Washington with over 30 years of experience. I have worked for industry, in government and in private practice. I worked for the Northwest Clean Air Agency for 10 years prior to leaving
I believe I could provide expertise to this board and assist our community as we move forward in the Climate Impact area.

References (please include daytime telephone number):

- Dennis McCleren (Cascade Law Group, Past EPA Region X Administrator & Director of Puget Sound Clean Air Agency) 206-292-6300
- Alan Newman (Dept. of Ecology Environmental Engineer, Air). 360-407-6810
- Sandy Paris (Lead Environmental Engineer, Phillip 66 Ferndale Refinery & NWCAA Advisory Council) 360-384-8375
- Ginny Broadhurst, WWU Director of the Salish Sea Institute, past Executive Director and staff positions at Northwest Straits commission (NWSC). 360-650-4075
- Bruce Barbou (Retired Dept. of Ecology Scientist) 360-441-1793
- Terri White (Retired School Counselor - Personal reference) 360-715-8556

Signature of applicant: Lynn Billington

Place Signed / Submitted: Bellingham, WA

(Section Break)

Email not displaying correctly? View it in your browser.
LYNN BILLINGTON, PE

401 N. Forest, Bellingham, Washington 98225
(360) 393-6917
Email: lynnbillington@comcast.net

Skill Highlights
Critical thinking, problem solving, analytical, facilitation, training, coaching, communication, networking, collaboration, management, coordination, and humor

Education and Special Qualifications
- Masters in Civil Engineering, University of Alaska
- Bachelor of Science in Civil Engineering (Water Resources Emphasis), Oregon State University
- Registered Professional Engineer in Washington State (and previously in Alaska)

Employment

HERS
Providing civil and environmental engineering consulting on air, water and waste issues focused on climate change and sustainability.

SLR Consulting
Principal Engineer providing Environmental Engineering consulting expertise to air, water and waste projects including climate change pollutants & sustainability review for projects.
- Completed Prevention of Significant Deterioration (PSD) and State permitting for municipal utility upgrade so they could have cleaner power options and reduce all air pollutants.
- Provided waste & water expertise options for material disposal project for confidential client.
- Mentored junior staff on projects.

Northwest Clean Air Agency, Mt. Vernon, Washington
Director of Engineering
Directed and developed a team of engineers and scientists to provide air permits, inspected large industrial facilities for compliance, and developed the regional air emission inventory which included Climate change pollutants. Focused on providing permits that were easier to follow and useable in the field for complicated facilities. Developed standard operating procedures for permits and compliance practices and expanded the existing database to document compliance.
- Promoted sustainable best practices and collaboratively developed an agency Climate Change Plan for the region.
- Provided presentations on regulations, permitting, compliance, sustainability for the National Association of Clean Air Agencies workshops, Board of Directors, industry and trade groups.
- Provided technical assistance to industry and the public including on regulations.
- Acted as the agency’s representative with government agencies and programs such as county planning, public works department, Department of Ecology, EPA, & our Canadian counterparts.
- Responsible for department budgeting, contracting, hiring, performance evaluations, and training of staff.
- Organized strategic planning workshops for staff, Board Members and Advisory Board resulting in goals and strategic planning documents for Climate and Criteria Air Pollutants.
Shafer and Billington, Inc., Bellingham, Washington
President/Partner
Engineering consultant providing service that included:
• Clean Water Act and Safe Drinking Water Act projects (water and wastewater design modifications)
• Air Quality Permitting and Compliance,
• Oil Spill Response Plans,
• Resource Conservation and Recovery Act review including Solid and Hazardous Waste Sites
Assisted with regulatory compliance audits and permitting. Project examples included a detailed report on oil field waste characterization, working with legal firm on environmental liability claims, and development of a guide books for air permit compliance.

BP Oil Refinery, Ferndale, Washington,
Environmental Manager
Managed and mentored staff and contractors to insure all areas within the refinery were in compliance with Federal, State and local regulations. Implemented and updated compliance programs including:
• Clean Water Act (NPDES and Stormwater permits)
• Safe Drinking Water Act
• Clean Air Act (Air Operating Permit Application and Refinery MACT implementation)
• Resource Conservation and Recovery Act (RCRA),
• State Model Toxics Control Act and Dangerous Waste Regulations,
• Oil Pollution Act (Spill Control and Contingency Plans)
Devised & executed pro-active, cost saving pollution prevention & waste minimization programs. Permitted refinery projects interfacing with Federal, State and Tribal and local agencies and the public. Developed written comments & presented testimony for new regulations. Recognized by management for team building & training staff. Responsible for department budget & contractors.

BP Exploration (Alaska) Inc., Anchorage, Alaska
Senior Environmental Engineer and Field Engineer
Developed, implemented, and managed field-wide waste & water monitoring studies for compliance with solid waste management regulations. Trained and supervised staff in monitoring well installation and sampling techniques for a large monitoring program for the Prudhoe Bay Oil Field.
• Coordinated with agencies on projects and monitoring. Designed & implemented water quality studies relating to hazardous & solid waste sites investigations for compliance with regulations.
• Produced presentations and documents and for management and agencies on RCRA.
• Negotiated with agencies on conditions for permits on drinking water, wastewater, and solid waste and air quality for facilities and insured compliance with these permits.
• Closely coordinated with the State and public interest groups as the State Solid Waste Management Regulations were rewritten.
• Managed multi-disciplinary bioaccumulation study for industry & agencies examining effects of waste sites.
• Interfaced with Federal, State and local agencies and Tribes for project permits and issue resolution. Provided oral and written testimony to State & Federal legislatures.

Professional Memberships, Awards, Community Involvement
• American Society of Civil Engineers, Past President and VP of Seattle Section North Branch
• Past member of Pacific Northwest Air and Waste Management Association
• Volunteer (Bellingham High Chemistry class, Fairhaven Middle School, Happy Valley & Lowell Elementary and Children’s Coop Preschool)
Board and Commission Application

Step 1

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First Name: Kate
Last Name: Blystone
Date: 1/4/2018
Street Address: 1600 D Street #101
City: Bellingham
Zip: 98225
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone: 3609617749
Secondary Telephone: Field not completed.
Email Address: kateblystone@gmail.com

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 1

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions Field not completed.

9. Please describe your occupation (or former occupation if retired), qualifications, I currently work for the Pipeline Safety Trust as an outreach manager and I serve on the Whatcom County Planning Commission. I've worked in land use planning, public engagement, environmental policy and community
professional and/or community activities, and education
development for the last 15 years in public, private, educational, and non-profit sector positions. I was trained by NOAA in community-based climate adaptation program development and climate change mitigation and adaptation is a personal passion. I have a Master of Urban and Regional Planning degree from Eastern Washington University and I am adjunct faculty at Western's Huxley College of the Environment in the Urban Planning and Sustainable Development program.

10. Please describe why you're interested in serving on this board or commission

I've wanted to see the climate action plan updated for quite a while, but until this comprehensive plan update there hasn't been the will to do it. Meanwhile, we are already experiencing the effects of climate change in this county. I believe we have an obligation to plan wisely for future generations. I want to use my skills and experience in land use planning to update this plan and help Whatcom County become a state leader in responding to climate change and lessening our impact upon it.

References (please include daytime telephone number):

Crina Hoyer, 360.223.8678
Heather Flaherty, 360.224.7313
Nicole Oliver, 360.223.2230

Signature of applicant: Kate Blystone

Place Signed / Submitted: Bellingham, WA
## Board and Commission Application

### Step 1

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<tbody>
<tr>
<td>First Name</td>
<td>John</td>
</tr>
<tr>
<td>Last Name</td>
<td>Bosche</td>
</tr>
<tr>
<td>Date</td>
<td>1/2/2018</td>
</tr>
<tr>
<td>Street Address</td>
<td>6571 Lunde Rd</td>
</tr>
<tr>
<td>City</td>
<td>Everson</td>
</tr>
<tr>
<td>Zip</td>
<td>98247</td>
</tr>
<tr>
<td>Do you live in &amp; are you registered to vote in Whatcom County?</td>
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</tr>
<tr>
<td>Do you have a different mailing address?</td>
<td><em>Field not completed.</em></td>
</tr>
<tr>
<td>Primary Telephone</td>
<td>360-398-2862</td>
</tr>
<tr>
<td>Secondary Telephone</td>
<td><em>Field not completed.</em></td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:johnbosche1@gmail.com">johnbosche1@gmail.com</a></td>
</tr>
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You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions:

9. Please describe your occupation (or former occupation if retired), qualifications, I am an engineer in the wind and solar energy industries. I have worked in renewable energy since 1990, and have owned a consulting business since 1990 that has provided services to all of the major renewable energy developers and equipment...
professional and/or community activities, and education

suppliers. I am on an international committee that writes standards for the wind energy industry and am considered to be an international expert in the field of renewable energy. My degrees are in mechanical engineering, but I have also taken courses in the field of meteorology and have a good understanding of climate change. In terms of community activities, I served on the Meridian School District school board from 2010 to 2017 and I continue to volunteer in the Meridian school district as the coach of the Meridian Middle School and Irene Reither Elementary School math clubs.

10. Please describe why you’re interested in serving on this board or commission

Since my term on the Meridian school board came to an end in 2017, I am interested in finding new ways to serve and be active in the Whatcom County community. In my opinion, service and leadership are very important to maintaining a thriving community here in Whatcom County. Since I have nationally and internationally recognized expertise in renewable energy and meteorology, this commission seems like a good fit for me to be able to contribute to the well-being of our county.

References (please include daytime telephone number):

Tom Churchill - Superintendent, Meridian School District - 360-318-2151
Satpal Sidhu - Whatcom County Council - 360-305-4948
Steve Voorhees - CEO, Teichos Energy - 425-503-9253

Signature of applicant: John Bosche

Place Signed / Submitted: Everson, WA
John Bosche
6571 Lunde Rd.
Everson, WA 98247
Phone: 360-398-2862
E-Mail: john@chinookwind.net

PROFILE:
A skilled mechanical engineer, experienced in the wind energy industry, who is also a registered US patent agent.

EXPERIENCE:

Principal Engineer January 2001 – Present
Chinook Wind, Everson, WA
Developed a new business providing engineering consulting services to the wind industry. Services provided include wind turbine design, testing, and analysis, owner engineering, performance monitoring and evaluation, wind data collection and analysis, site selection, due diligence, and project management. Clients include project developers, wind turbine manufacturers, independent power producers, utilities, and government research laboratories.

US Patent Agent December 1991 - Present
Self Employed
Built and ran a small but profitable business as a registered US Patent Agent. Clients are from industry and academia and represent a wide variety of technologies.

Project Engineer February 1998 – January 2001
Global Energy Concepts, Kirkland, WA
Worked with clients in the wind industry on a variety of projects providing technical advice regarding power curve measurements, turbine commissioning, SCADA system planning, design, and installation, evaluation of wind turbine retrofit options, investigation of lightning damage and icing effects, and development of operation and maintenance strategies. Provided contract review and due diligence services to utilities and wind plant developers. Also served as Principal Investigator in a research project investigating methods for self-erection of wind turbines.

Senior Engineer February 1996 – February 1998
Dynamic Design, Tehachapi, CA
Provided engineering consulting services to the wind energy industry in California and to the National Renewable Energy Laboratory. A major focus of the work was field testing of wind turbines. Performed loads and dynamics tests on six turbines ranging in size from 100 kW to 500 kW. Contributed conceptual ideas and practical field experience to the design team working on the Wind Eagle, an innovative highly flexible wind turbine. Also provided services in modeling, analysis, evaluation, and documentation of wind turbine designs.

Research Assistant January 1994 - January 1996
University of Texas at El Paso, El Paso, TX.
Assisted with several state and federally funded research projects in the area of wind energy. The research was in the areas of meteorology and site characterization and development of a variable speed rotor. Led a team developing a variable speed wind turbine and controller.

Project Engineer January 1991 - December 1993
Wind Harvest Company, Banning CA and Llwydcoed, South Wales
Built, tested and analyzed prototypes of three different models of the Windstar, an innovative vertical axis wind turbine. Installed a wind farm in South Wales, UK. Work in the UK involved wind site prospecting, meteorological data analysis, and negotiating land leases.

EDUCATION:

University of Texas at El Paso, El Paso, Texas
Master of Science, Mechanical Engineering, August 1996
Thesis topic was Control Strategy Options for Variable Speed Wind Turbines.

West Virginia University, Morgantown, West Virginia
Bachelor of Science, Mechanical Engineering, May 1989
Past Consulting Clients:
Developers/Owners/Operators
BP Alternative Energy
Iberdrola
enXco
Windland
Energy Unlimited, Inc.
RES-USA
Sequoia Energy
Coastal Community Action Program
NextEra
SeasWest
Cannon Power Corp.
Dutch Energy
Exelon
Ridgeline Energy
Edison Mission Energy
First Wind
Invenergy
Infigen
Competitive Power Ventures
Element Power
Atlantic Power
Sun Edison
Duke Energy
Edison Mission Energy
EDPR
Everpower
InterGen
LS Power
Project Resources Corporation
Enel
GDF Suez

Wind Turbine and Component Vendors
GE Wind
Vestas America
Clipper Windpower
Ocean Wind Energy Systems
TPI Composites
Southwest Windpower
Suzlon Windpower
Wind Harvest Company
Valmont Industries

Consulting Services Provided:
Wind turbine power performance testing
Wind turbine structural testing
Wind turbine performance evaluation
Wind farm performance monitoring
Wind farm construction management
Wind turbine commissioning
Wind turbine component design
Meteorological test campaign design and implementation
Wind Resource Assessment
Wind site prospecting

Banks and Investors
BTMU
CoBank
Chevron Technology Ventures
Goldman Sachs
KeyBank
JP Morgan
Union Bank of California
Trust Company of the West
Credit Agricole
Dexia
Diamond Generation
Prudential Capital Group
Societe Generale
State Street Corp.
UniCredit
First Reserve
Mizuho
Inter-American Development Bank
BBVA
HSBC
Banorte
Santander
Bank of America – Merrill Lynch

Utilities
Sempra Generation
AECI
Bonneville Power Administration
Electric Power Research Institute
Wisconsin Public Service
Basin Electric
Constellation Energy
Energy Northwest
Avista Utilities

Other
AIG Insurance
Leidos
Black & Veatch
Sargent & Lundy
CH2M Hill
Luminate
Congressman Jerry McNerney
Town of Laurel, NE
U.S. Department Of Energy
National Renewable Energy Laboratory

Negotiation of land leases for wind sites
Appraisal of spare parts inventories
Economic feasibility studies
Proforma review
Contract review
Wind turbine technology review
Project due diligence review
Portfolio due diligence review
Expert witness report preparation
Draft and prosecute US patent applications
John Bosche (cont.)

Wind Turbines Worked On:
Acciona AW125/3000
AOC 15/50
Clipper C96
DeWind D8.2
Enron Z-50
Fuhrländer 2.5
Gamesa G87
Gamesa G97
Gamesa G114
GE 1.5 se
GE 1.5 sle
GE 1.6 xle
GE 1.7 100
GE 2.3-107
GE 2.3-116
GE 2.5 MW
Kenetech MVS 33
Kenetech KVS 46
MHI-250
MHI-600
MHI 2.4/102
Micon 108
Nedwind N40
Norde N80
Norde N100
Nordtank 65
Repower MM92
Suzlon S88
Suzlon S97
Tacke 600e
Vestas V15
Vestas V27
Vestas V39
Vestas V47
Vestas V66
Vestas V90
Vestas V100
Vestas V110
Vestas V126
Bonus 65 kW
Bonus 1.3 MW
Siemens 2.3 MW
Siemens 3.0 MW
WEG MS4
Zond Z-40

Wind Industry Professional Service:
Board of Directors for Northwest SEED
Member of IEC Power Performance Testing Standard Committee
Chair of Green Power – Optimizing Wind Power O&M 2011
Session Chair for Windpower 2006
Session Chair for Windpower 2007
Member of Technical Committee for 2002 Global Windpower Conference
Wind resource assessment subcommittee of the Idaho State Wind Working Group

Publications:


Data: What We Need, Why We Need It, and How We Measure It: American Wind Energy Association Wind Resource Assessment Proceedings, September 2007


**John Bosche (cont.)**

Publications (cont.):


**Low Windspeed Turbine Project Conceptual Design Study:** Advanced Independent Pitch Control: May 2004.


**Power Quality of Distributed Wind Projects in the Turbine Verification Program.** 13 pp.; NICH Report No. CP-500-30407.


Publications (cont.):


Presentations:

Wind Turbine Aerodynamics – West Virginia University, October 1996.
Fundamentals of Wind Energy, Gerson Lehrman Group, Boston, February 2007
Estimation of Annual Net Energy Yield at a Prospective Wind Farm, Presented to Various Banks, New York, June 2009
Wind Turbines 101, Presented to Chartis Insurance, July 2012
Power Performance Testing for Wind Farm Operations, Optimizing Wind Power O&M, Chicago, IL, Oct 2012
Optimizing Turbines and Components, Optimizing Wind Power O&M, Chicago, Il, Sept 2013
Opportunities In the US Wind Power Operations & Maintenance Service Sector, Gerson Lehrman Group, May 2016
Uncertainty in As-Built Versus Design Specifications of Wind Turbine Components, NREL, July 2016
Board and Commission Application

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First Name  Ginny

Last Name  Broadhurst

Date  1/7/2018

Street Address  2203 36th ST

City  Bellingham

Zip  98229

Do you live in & are you registered to vote in Whatcom County?  Yes

Do you have a different mailing address?  Field not completed.

Primary Telephone  360-325-3560

Secondary Telephone  Field not completed.

Email Address  ginnybroadhurst@yahoo.com

Step 2
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Board or Committee</td>
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</tr>
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<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>If yes, please explain</td>
<td>I'm an employee at Western Washington University and my spouse is employee at the Community Boating Center.</td>
</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td>GINNY BROADHURST 2018.pdf</td>
</tr>
<tr>
<td>9. Please describe your</td>
<td>I am currently the Director of the Salish Sea Institute at WWU,</td>
</tr>
</tbody>
</table>
occupation (or former occupation if retired), qualifications, professional and/or community activities, and education

please see attached resume for background.

10. Please describe why you're interested in serving on this board or commission

I have worked on climate change and environmental issues regionally and would like to put that experience to work locally. I am interested in continuing to learn about adaptation and resilience strategies and find best ways to apply them in our community.

References (please include daytime telephone number):

Caroline Gibson, Director Northwest Straits Foundation, 360-733-1750
Dr Natalie Baloy, Asst Director Canada House Programs, WWU, 831-247-8136
Hilary Wilkinson, Principal, Veda Consulting, 360-319-3493

Signature of applicant: Ginny Broadhurst

Place Signed / Submitted: Bellingham, WA

Email not displaying correctly? View it in your browser.
GINNY BROADHURST  
2203 36th St. Bellingham, WA 98229  
360.325.3560  ginnybroadhurst@yahoo.com  

Ginny is an experienced organizational leader with positive vision and excellent communication and collaboration skills focused on restoring the health of the Salish Sea

Highlights of Qualifications
Organizational leader creating policies, managing projects and providing vision and institutional frameworks to restore and protect Puget Sound marine waters and habitats

Employment

Director, Salish Sea Institute at Western Wash University  
Bellingham, WA  
present

Founding Director of Institute established to develop on-campus multi-disciplinary curriculum related to Salish Sea Studies, administer Salish Sea Ecosystem Conference and be a forum for discussions of transboundary environmental challenges.

Executive Director, Northwest Straits Commission,  
Washington Dept of Ecology, Mount Vernon, WA  
2007-2017

Responsible for organizational operations including supervision of up to 6 staff and oversight of 100 volunteers in seven county-based advisory committees. Developed organizational strategic plan with consensus-based advisory board. Created budgets, work plans, sustainability plan and communications strategy. Worked with advisory boards and committees on key environmental policy decisions. Assigned job duties, assessed employee performance and maintained supportive environment for employees. Developed and maintained partnerships with agencies, tribes, elected officials and non-governmental organizations. Provided briefings and testimony at hearings and meetings. Worked with members of Congress and staff on reauthorization bills and funding strategies. Represented the organization at national and international conferences, local briefings and with natural resource leaders throughout the Salish Sea. Participated regularly with regional Puget Sound restoration management and advisory groups on issues such as climate change impacts, shoreline restoration and species recovery.

Marine Program Manager, Northwest Straits Commission,  
University of Washington  
2003-2007

Developed and carried out marine restoration projects in coordination with local marine resources committees and provided technical support to local projects. Participated in regional Puget Sound recovery work groups and planning efforts. Developed training events and materials. Produced newsletter articles and variety of written and oral reports. Provided regular communication between local volunteer committees and staff.

Marine Protection Specialist, Puget Sound Action Team,  
Office of the Governor, Olympia, WA  
1996-2003

Part of a team to develop the Puget Sound Management Plan. Worked with scientists and managers to identify key management actions, facilitated meetings and communicated issues with...
Developed recovery actions and policies for wetlands protection program in Puget Sound management plan. Communicated issues and proposed solutions to variety of stakeholders.

Lab Technician, Battelle Memorial Labs, Sequim, WA and Duxbury, MA 1987-1988

Performed toxicology studies, following established procedures in the laboratory and documented results.

Education
M.M.A., School of Marine Affairs, University of Washington, Seattle, WA
B.S., Environmental Science, University of New Hampshire, Durham, NH

Instructional classes

Co-instructor, How to Give an Ignite Presentation, Webinar training for participants of Salish Sea Ecosystem Conference, March 2016

Co-instructor, How to Explain Science, Share Data and Build Trust: Presentation Skills for Scientists and Public Officials for Washington Coastal Training Program, June 2015

Advisory Group Participation
Wildlife Diversity Advisory Group, WDFW (2016 – present)
Marine Resources Advisory Council (alternate) (2016-2017)
BC/WA Statement of Cooperation Work Group (2009-16)
West Coast Marine Debris Alliance Steering Committee (2014-16)
Ecosystem Coordination Board, Puget Sound Partnership (2009-16)
Puget Sound Rockfish Work Group, NOAA and WDFW (participant and facilitator)
Oil Spill Rule Advisory Committee, WA Department of Ecology (2011)
Executive Committee, Puget Sound Nearshore Restoration Project (2007-10)
Marine Protected Area Workgroup, WA Dept of Fish and Wildlife (2009)
Puget Sound/Georgia Basin Research Conference steering committee (2006-07)

Awards
Conservation Steward of the Year, CCA North Sound Chapter 2013

Move it Forward Award, Sustainable Path Foundation 2012

Magnuson Award, People For Puget Sound 2011
Selected Presentations

2016 Speaker, SoundIQ: a mapping tool for Northwest Straits citizen science projects. Salish Sea Ecosystem Conference, Vancouver, BC Canada

Session Co-chair, Tackling ocean acidification in the Salish Sea: Six projects happening now to mitigate the impacts, adapt to changing conditions and strengthen resiliency of marine waters. Salish Sea Ecosystem Conference, Vancouver, BC Canada

2014 Speaker, Wading Deeper into Citizen Engagement with Local Residents: Three Projects with a Big Wow Factor, Restore America’s Estuaries Conference, Washington DC

Speaker, Meaningful local citizen engagement in marine resource protection, Salish Sea Ecosystem Conference, Seattle, WA

2011 Invited Speaker and Panelist, Transboundary Collaboration I and II. Salish Sea Ecosystem Conference, Vancouver, BC

Speaker, Lessons Learned: Northwest Straits Initiative, International Marine Debris Conference, Honolulu, HI

2010 Keynote Address, Univ of Washington School of Marine Affairs Graduation, Seattle, WA

Speaker, Derelict Fishing Gear Removal in Puget Sound, Fish and Wildlife Commission, Olympia, WA

Invited Speaker, Northwest Straits Initiative Status Report, Puget Sound Leadership Council, Mount Vernon, WA

Invited Speaker, Derelict Fishing Gear Removal in Puget Sound, National meeting of NOAA Sanctuary Advisory Councils Chairs, Port Angeles, WA

2008 Convener and Speaker: Transboundary Derelict Gear Workshop, Mount Vernon, WA

Keynote Speaker, Citizen Stewardship, NW Aquatic and Marine Educators, Friday Harbor, WA


Speaker, Derelict Fishing Gear Removal in Puget Sound, Marine Debris Information Forum, NOAA Marine Debris Program, Bethesda, MD

Speaker, Citizen Stewardship as Part of Puget Sound Recovery, AFS Meeting, Bellingham, WA

Invited Speaker, Derelict Fishing Gear Removal in Puget Sound, National Research Council Marine Debris Advisory Committee, Irvine, CA

2006 Speaker, *The Northwest Straits Model for Engaging Citizens*, RAE conference, New Orleans, LA

2005 Speaker, *Improving Existing Marine Protected Areas in Puget Sound*, Puget Sound/Georgia Basin Research Conference, Seattle, WA

Speaker, *Creosote Removal in the Northwest Straits: an important piece of nearshore marine habitat restoration*, Puget Sound/Georgia Basin Research Conference, Seattle, WA

2004 Speaker, *Connecting managers of marine sites in the San Juan Archipelago*, Marine Managers Work Session, Friday Harbor, WA

**Selected Publications**


1999 *Broadhurst, Ginny*. Puget Sound Shoreline Stewardship Guidebook. Puget Sound Action Team, Olympia, WA (Reprinted multiple times by PSAT and King County)


**SCUBA certified**
NaDean Hanson

From: noreply@civicplus.com
Sent: Friday, January 05, 2018 10:27 AM
To: Ben Glassett; Jill Nixon; Suzanne Mildner; Kristi Felbinger; Dana Brown-Davis; Executive; NaDean Hanson
Subject: Online Form Submittal: Board and Commission Application

Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
THIS IS A PUBLIC DOCUMENT: As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

First Name Clara Jean
Last Name Carmean
Date 1/3/2018
Street Address 1113 Chuckanut Dr.
City Bellingham
Zip 98229
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 360-733-2308
Secondary Telephone 360-527-5316
Email Address stje.carmean@gmail.com

Step 2
1. Name of Board or Committee | Climate Impact Advisory Committee

| Climate Impact Advisory Committee | Yes |

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying?

| Yes |

3. Which Council district do you live in?

| District 3 |

4. Are you a US citizen?

| Yes |

5. Are you registered to vote in Whatcom County?

| Yes |

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?

| No |

7. Have you ever been a member of this Board/Commission?

| No |

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?

| No |

---

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

| Field not completed. |

9. Please describe your occupation (or former occupation if retired), qualifications, COMMUNITY ACTIVITIES RELEVANT TO THIS COMMITTEE: Co-Chair of League of Women Voters of Washington Climate Action Toolkit Committee. The interactive toolkit can be found at: www.lwvwa.org/ Former League of
professional and/or community activities, and education

Women Voters of Bellingham/Whatcom County Advocacy Chair: Guided 30+ volunteers in lobbying for League positions on eleven topics, from the Environment, to Healthcare, to Voter publicity. Wrote League statements and testified at Whatcom County, and Skagit County and Ecology EIS hearings, and wrote several EIS statements for the Washington State League of Women Voters. Worked on League Election Forums for the last four years. This year I worked with a group of three other League members to develop the unbiased questions used at all Forums and was one of two people screening and rewriting audience questions at the Mt. Baker High School Forum to assure that they were unbiased/civil. EDUCATION: BA in English with teaching certification (Bronze Tablet for top 2% scholastic achievement) and Honors MA in English/American Studies, University of Illinois at Champaign-Urbana (Elected to Phi Beta Kappa) EMPLOYMENT: Retired Whatcom Community College Faculty. Among my activities: Developed Writing Across the Curriculum and Interdisciplinary Studies programs (Team Taught Interdisciplinary Humanities and a team taught sequence integrating science, social science and humanities), leading to presentations at colleges within Washington State, at University of Texas, Austin and at the International Teachers of English conference in Heidelberg, Germany as well as a Humanities Association Award. Led faculty in development of Learning Outcomes in all disciplines in the College. Served as President and/or Chief Negotiator for the Whatcom Community College Federation of Teachers several times.

10. Please describe why you're interested in serving on this board or commission

Why I Would Like to Serve on the Environmental Impacts Advisory Committee Although not a scientist by background, my work as Co-Chair the League of Women Voters of Washington's Climate Action Toolkit committee has familiarized me with recent research, including that completed (and ongoing) by the Washington Department of Ecology and the University of Washington's Climate Impacts Group. This interactive Toolkit, designed to educate League members and their communities may be accessed at www.lwva.org/ Then click on "Climate Action Toolkit" in the right hand column. I was excited to learn that the county is seeking to review its ten year old Climate Action Plan including "climate change mitigation and impact prevention, adaptation, and preparation goals." This is precisely what one section of our interactive Toolkit was devoted to, although it obviously was broader than Whatcom County. When setting targets to reduce greenhouse gases and other climate change effects, the committee should review all related materials by the Department of Ecology and our outstanding research institutions on the predicted effects of
Climate Change on Western Washington and Bellingham in particular and on how local government can best deal with them. Getting a grasp of federal priorities will also be important, but will be a bit more difficult: several of the federal documents we included in the League Toolkit, have been replaced by pages saying that the original postings are being revised. While Whatcom County will be affected by all aspects of climate change, rising/surging seas, ocean acidification, and changing heat and precipitation patterns, with attendant water distribution/equity problems (exacerbated by predicted continuing drier summers, less mountain snowpack and diminished glaciers) will be among the thorniest problems facing the county. A December, 2017 article in Nature reports that an unstable Antarctica could double current estimates of sea surge, increasing the urgency of taking action. We should examine all advice, especially of Washington scientific and governmental institutions, to determine the most effective preventative/mitigative actions: What actions should we be taking to protect vulnerable people, property, businesses and infrastructure? As to the county's water problems, perhaps Washington State University's two recent Water Symposiums, which I attended, may provide material and contacts to build on. I would like to see the county develop information exchange opportunities among our diverse citizenry and to hold sharing sessions to educate community members in all parts of the county on the impacts of climate change and of possible ways to mitigate/adapt to them. All ideas should be listened to. My background as an educator and chief negotiator of several negotiated agreements between faculty and the Board of Trustees at Whatcom Community College (while maintaining cordial relations with then President Harold Heiner and Chairman of the Board of Trustees, Pat Hite) should help me work on the educational charge to the committee involving people with a variety of agendas, and, perhaps, sometimes hostile groups or individuals. My work on local League of Women Voters Candidate Forums for the past three years will also be helpful. Although I was out of the country for the first forums this year, I worked with three other League members on formulating the neutrally worded questions used at all of the forums and was one of two people at the Mt. Baker High School Forum rewording audience questions to make them meet the standards of civility. There is much research available on advances and practicality of renewable resources, which is being revised on an almost daily basis. Given current knowledge and scientific predictions, a key question is "Beyond what is already being done, what should the County be doing to encourage renewables, and how can we do more than give lip service to a just transition for displaced workers and
businesses?" The West Coast, and Whatcom County Washington, are particularly well poised to become leaders in green industries. We already have small solar and water turbine industries. Why not more of these, along with wind, and even geothermal? Dead ends? Maybe not with the right support! Listening sessions with workers who fear loss of their jobs and coordination with local unions could be beginning points for a just transition. I would bring intelligence; a healthy skepticism of authoritarian pronouncements; a good lay knowledge of Climate Change and ways to mitigate it; an ability to access important current studies, and to analyze and evaluate the validity of resources; experience in leading discussions and drawing people out; and an ability to use data/facts to open minds and to persuade. Thank you for your consideration.

References (please include daytime telephone number):

Jill Bernstein, former LWVBW/C president; current co-chair of the Incarceration Prevention and Reduction Taskforce. 360-595-2110 Heather MacKay Brown Director, FHB Consulting Services Inc. Lynden, WA; Water and Environment Policy Specialist 360-305-8255 Jayne Freudenberger Former LWVBWC president; current program chair of City Club 360-734-528 Elizabeth Gross Retired Administrator for San Diego County's Children's Mental Health Division; Director of People for Lake Padden; Active in health care issues in the county. 360-303-7089

Signature of applicant: Clara Jean Carmean

Place Signed / Submitted 1113 Chuckanut Dr.
Why I Would Like to Serve on the Environmental Impacts Advisory Committee

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I would bring intelligence; a healthy skepticism of authoritarian pronouncements; a good lay knowledge of Climate Change and ways to mitigate it; an ability to access important current studies, and to analyze and evaluate the validity of resources; experience in leading discussions and drawing people out; and an ability to use data/facts to open minds and to persuade.

Thank you for your consideration.
COMMUNITY ACTIVITIES RELEVANT TO THIS COMMITTEE:

Co-Chair of League of Women Voters of Washington Climate Action Toolkit Committee. The interactive toolkit can be found at: www.lwva.org/

Former League of Women Voters of Bellingham/Whatcom County Advocacy Chair: Guided 30+ volunteers in lobbying for League positions on eleven topics, from the Environment, to Healthcare, to Voter publicity. Wrote League statements and testified at Whatcom County, and Skagit County and Ecology EIS hearings, and wrote several EIS statements for the Washington State League of Women Voters.

Worked on League Election Forums for the last four years. This year I worked with a group of three other League members to develop the unbiased questions used at all Forums and was one of two people screening and rewriting audience questions at the Mt. Baker High School Forum to assure that they were unbiased/civil.

EDUCATION:

BA in English with teaching certification (Bronze Tablet for top 2% scholastic achievement) and Honors MA in English/American Studies, University of Illinois at Champaign-Urbana (Elected to Phi Beta Kappa)

EMPLOYMENT:

Retired Whatcom Community College Faculty. Among my activities: Developed Writing Across the Curriculum and Interdisciplinary Studies programs (Team Taught Interdisciplinary Humanities and a team taught sequence integrating science, social science and humanities), leading to presentations at colleges within Washington State, at University of Texas, Austin and at the International Teachers of English conference in Heidelberg, Germany as well as a Humanities Association Award.

Led faculty in development of Learning Outcomes in all disciplines in the College.

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Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name  francis
Last Name  fitzgerald
Date  1/5/2018
Street Address  7501 glacier spr dr
City  Glacier
Zip  98244
Do you live in & are you registered to vote in Whatcom County?  Yes
Do you have a different mailing address?  YES
Mailing Address  PO box 520, maple falls, wa 98266
Primary Telephone  360-599-1408
Secondary Telephone  774-315-8580
Email Address  davefitz7501@yahoo.com
### Step 2

1. Name of Board or Committee  
   - Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?  
   - Yes

3. Which Council district do you live in?  
   - District 3

4. Are you a US citizen?  
   - Yes

5. Are you registered to vote in Whatcom County?  
   - Yes

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7. Have you ever been a member of this Board/Commission?  
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8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?  
   - No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions  

9. Please describe your occupation (or former professional engineer (Wa PE #36680), 39 yrs experience in the Energy industry, now retired. BS and ME degrees in
Mechanical engineering from Rensselaer Polytech inst. 16 technical papers, 5 US patents in this field.

10. Please describe why you're interested in serving on this board or commission

I agree there is a need to transition from limited fossil fuels consumption to renewable and sustainable technologies. I also believe that the argument regarding "climate change" might not be the primary argument for this transition, but the transition must be made nonetheless. Locally, this implies a need to provide more EV recharging stations, coordinate with Canada on adding additional electric transmission lines from the upcoming BC Hydro site (now approved), and facilitating acceptance of new technologies associated with "demand management".

References (please include daytime telephone number):

Field not completed.

Signature of applicant: Francis David Fitzgerald

Place Signed / Submitted: Bellingham public library

Email not displaying correctly? View it in your browser.
Board and Commission Application

Step 1

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First Name Seth

Last Name Fleetwood

Date 1/8/2018

Street Address 1003 17th Street

City Bellingham

Zip 98225

Do you live in & are you registered to vote in Whatcom County? Yes

Do you have a different mailing address? Field not completed.

Primary Telephone 3607391284

Secondary Telephone 3607391284

Email Address Seth@openaccess.org

Step 2
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<td>Yes</td>
</tr>
</tbody>
</table>

If yes, please explain

I operate a law office in Fairhaven.

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

Field not completed.

9. Please describe your occupation (or former)

I am a lawyer. I previously served on the Whatcom County Council and the Bellingham City Council. I graduated from
occupation if retired), qualifications, professional and/or community activities, and education

Sehome High School in Bellingham. I did undergraduate at University of Washington and law school at Willamette University. I previously served as the chairman of the Greenways Advisory Committee. I am a trained member of the Climate Reality Project Leadership Corps, a founding member of the Climate Reality Project Bellingham Chapter, and a member of the Citizen Climate Lobby, Whatcom County Chapter. I was in Paris during COP21 when the historic Paris climate agreement was reached. I was a kayaktivist in Elliot Bay in Seattle and at St. John's bridge in Portland in the Summer of 2015 when we protested against the Polar Pioneer and arctic drilling by Shell.

10. Please describe why you’re interested in serving on this board or commission

I believe the effort to convert to clean energy is a necessity. I know from objective scientific evidence that burning carbon at present day amounts traps excessive heat in the atmosphere which warms the planet and kills life. I believe all governments, international, national, sub-national and local must do their proportionate share to address this crisis. I would like to help at the local level.

References (please include daytime telephone number):

Jill MacIntyre Witt Raymond Dellecker * Telephone numbers shall be forthcoming

Signature of applicant: Seth Fleetwood

Place Signed / Submitted Bellingham, Washington

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Board and Commission Application

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First Name    Kristin
Last Name     Forck
Date          1/2/2018
Street Address 3123 Laurelwood Ave
City          Bellingham
Zip           98225
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 425-327-0255
Secondary Telephone Field not completed.
Email Address kris1029@gmail.com

Step 2
1. Name of Board or Committee | Climate Impact Advisory Committee
---|---
2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? | Yes
3. Which Council district do you live in? | District 2
4. Are you a US citizen? | Yes
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You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

| Resume Forck 2017.doc

9. Please describe your occupation (or former occupation if retired), qualifications, I have an M.Ed in Environmental studies from Huxley at WWU and spent the past 5 years working with the Community Energy Challenge as a program Assistant. I typically attend local events focused on environmental or conservation concerns.
professional and/or community activities, and education such as the electric car expo, rallies, Transition Whatcom, city/county/neighborhood meetings relevant to this subject.

10. Please describe why you’re interested in serving on this board or commission

My master’s focus was on affecting adult behavior for eco change. I’d be interested to hear what the county has planned and contribute my knowledge, experience, and opinions towards improving our climate impact plan.

References (please include daytime telephone number):

Ross Quigley, 360-734-5010 x

Signature of applicant: Kristin Forck

Place Signed / Submitted: Bellingham, WA

Email not displaying correctly? View it in your browser.
Kristin Forck

Accomplishments

- 5+ years working with the City of Bellingham's water conservation program, Puget Sound Energy, Cascade Natural Gas, Sustainable Connections submitting efficiency rebates, outreach including Walk for Water day, Home & Landscape tours, and green drinks
- Networked and became a resource of energy efficient information in the five north counties of western Washington, working with homeowners, contractors and regional utilities.
- 10+ years office and administration experience, most with conservation or energy focus
- Produced job task guides for previous employers, describing in detail responsibilities and how-to's for positions.

Office Skills and Knowledge

Microsoft Office for MAC and PC including Word, Excel, Powerpoint, Quickbooks, Microix Accounting, File Maker Pro Advanced, general internet knowledge, general office skills

Professional Experience

CEC Program Assistant – Opportunity Council Bellingham, WA • April, 2012 – Present
- Work with contractors, homeowners and affiliates to process residential energy efficient projects for the Community Energy Challenge.
- Support CEC staff and ensure the program operates through daily, monthly, quarterly and annual tasks.
- Familiar with energy efficient measures, water conservation and renewable energies in western Washington.
- General office tasks including data entry, inventory, rebate processing with regional utilities, customer service, scheduling.

Outreach Associate - 3 Degrees Inc. Bellingham, WA • June, 2010 – August 2011
- Inform the public about Puget Sound Energy's Green Power Program
- Help manager and provide leadership to other employees with outreach and courtesy knock campaigns.

Research Assistant – Western Washington Univ., Bellingham, WA • October, 2009 – June, 2010
- I researched and summarized information and newspaper articles relating to the Lake Whatcom Watershed, and entered the information onto an excel spreadsheet to be uploaded to a webpage later.

Office Assistant– Evergreen Sanitation, Lake Stevens, WA • June – September, 2009
- General office tasks including answering multi-line phones, scheduling appointments, copying, filing, customer service, and conducting lab water testing.

Education

Masters of Education in Environmental Studies – Western Washington University, Bellingham, WA • 2011
Bachelor of Arts in History and Philosophy of Science – University of Washington, Seattle, WA • 2005
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name  Erin
Last Name   Fortenberry
Date   1/8/2018
Street Address   1918 Ponderosa Drive
City   Belingham
Zip   98229

Do you live in & are you registered to vote in Whatcom County? Yes

Do you have a different mailing address? Field not completed.

Primary Telephone   3072236229
Secondary Telephone Field not completed.

Email Address elfortenberry@yahoo.com

Step 2
1. Name of Board or Committee | Climate Impact Advisory Committee
---|---
2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? | Yes
3. Which Council district do you live in? | District 1
4. Are you a US citizen? | Yes
5. Are you registered to vote in Whatcom County? | Yes
6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? | No
7. Have you ever been a member of this Board/Commission? | No
8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? | No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, | See attached file.
10. Please describe why you’re interested in serving on this board or commission

References (please include daytime telephone number):

Angela Seguel (360) 224-0138 (supervisor); Margaret Curtis (360) 303-5545 (family friend)

Signature of applicant: Erin Fortenberry

Place Signed / Submitted: Bellingham, WA
Application for the Climate Impact Advisory Committee

Please describe your occupation (or former occupation if retired), qualifications, professional and/or community activities, and education

Occupation
I currently work as a consultant for Environmental Resources Management (ERM), a global company that provides services related to environmental compliance and sustainability to businesses and governments around the world. The majority of the work I do is as a technical writer for BP Cherry Point, where I help write and edit documents related to site safety and environmental policy. I meet with experts from different technical fields and consolidate their input to help produce documents that are easy to understand and which comply with industry and governmental standards. Previously I’ve worked as a writing center tutor, taught university classes in rhetoric, and as a Campaign Assistant for United Way.

Qualifications
As part of the Watershed Masters program through Washington State University, I learned from and worked with people in various sectors in Whatcom County (including loggers, biologists, farmers, and local business owners) to help improve watershed health. I’ve also taken classes in environmental science and policy, and published numerous articles on environmental issues, including interviews with environmental activists and journalists like Elizabeth Kolbert and Bill McKibben, and a feature article in Cascadia Weekly on stewardship of Bellingham Bay.

Through my varied work and education, I’ve gained an understanding of the need for coordination and cooperation between environmental and social advocacy groups, the public and private sectors, private citizens, labor advocates, and more to create and implement sustainable environmental policy.

Community activities
• Helped design, coordinate, and hold a public workshop on watershed health.
• Gave a talk at Whatcom Museum on ways individuals can engage in water conservation.
• Participated in a pilot project with Whatcom County government to seed native clams in Birch Bay.
• Worked with local high school students to survey an area of the Bellingham Bay shore for creosote.
• Worked with the Interfaith Coalition to serve food on a weekly basis to those in need.

Education
I received my BA in the Comparative History of Ideas from the University of Washington, where I learned a lot about the value of interdisciplinary work. I also have a Master’s Degree in Creative Writing and know the importance and efficacy of a well-crafted narrative in advocacy work.

NEXT PAGE
Please describe why you’re interested in serving on this board or commission
A few years ago I took a post-baccalaureate class in US Environmental Policy at Western. My final assignment was working with a group of my peers to assess the efficacy of the Washington State Growth Management Act. I found it fascinating to study the law itself, as well as how it had been implemented in counties across the state. During other parts of the class I also encountered the idea that public policy is unsustainable without the public’s backing. This further catalyzed my pursuit of writing as a profession—the idea that in order to successfully advocate for something, it must be made relevant to the lives of others. My genuine interest in others allows for meaningful dialogue and action, and I’d like to serve my community by putting these skills to use.
NaDean Hanson

From: noreply@civicplus.com
Sent: Wednesday, December 27, 2017 11:30 AM
To: Ben Glassett; Jill Nixon; Suzanne Mildner; Kristi Felbinger; Dana Brown-Davis; Executive; NaDean Hanson
Subject: Online Form Submittal: Board and Commission Application

Board and Commission Application

**Step 1**

Application for Appointment to Whatcom County Boards and Commissions

**Public Statement**

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<th>Patrick</th>
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</tr>
<tr>
<td>Date</td>
<td>12/27/2017</td>
</tr>
<tr>
<td>Street Address</td>
<td>908 17th St.</td>
</tr>
<tr>
<td>City</td>
<td>Bellingham</td>
</tr>
<tr>
<td>Zip</td>
<td>98225</td>
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</tr>
<tr>
<td>Secondary Telephone</td>
<td>3606503286</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:patrick.freeland@wwu.edu">patrick.freeland@wwu.edu</a></td>
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<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>No</td>
</tr>
</tbody>
</table>

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions: Resume_Climate.pdf

9. Please describe your occupation (or former occupation if retired), qualifications, I currently work in education serving as an Academic Support Coordinator, and have worked concurrently to serve a public educator for Climate Change science and adaptation. I sit on the Northwest Indian College Tribal IRB, and have worked
professional and/or community activities, and education previously with the Campus Community Coalition with WCC, BTC, WWU, & NWIC (the only interinstitutional board serving all four major colleges as well as city, county, and state health and service agencies). My resume contains highlights of key studies and programs I've either led or developed during my graduate studies, and most if not all focused on either climate change and/or natural resource management. I've also in the past had several leadership roles within student government and other decision making groups. My focus is on service to my community, with respect for my environment and the betterment of all.

10. Please describe why you're interested in serving on this board or commission

Climate change impact, policy, and adaptation, has been a key focus of mine for much of my academic and professional life. I believe that I would be able to utilize evidence, stakeholder participation/evaluation/assessment, coupled with comprehensive and systemic planning, in order to best serve Whatcom County while respecting the sovereignty of our neighboring tribal nations and the interests of our surrounding business, agricultural, and residential communities.

References (please include daytime telephone number):

Eddy Urry (206) 972-2001; Dr. Daniel Wildcat (785) 865-8428; Raymond "Studie" Red Corn (913) 636-9411; Christopher Kulesza (248) 990-4317

Signature of applicant: Patrick Austin Freeland

Place Signed / Submitted Bellingham, WA
Patrick Austin Freeland  June 22, 1983
pafreeland@nwic.edu  •  +1.816.591.7441  •  patrickfreeland (Skype)
908 17th Street  •  Bellingham  •  Washington  •  98225

Summary
I am committed to action to promote social and environmental justice through the advancement of professional and educational institutions through integration of plural knowledge systems, excellence in design, and human experience.

My work ethic stems from the values of Honor, Pride, and Respect, as a means to better myself and my community. My work utilizes interdisciplinary sciences, arts, and engineering as a means to improve human and environmental health, advancement, and understanding. I specialize in program management, social knowledge systems, intergovernmental policy, as well as media content analysis and marketing strategy.

I am a graduate of Haskell Indian Nations University and Purdue University, where my time was devoted to both academic excellence and civic engagement. I have served in several roles as an advisor, evaluator, project director, and program facilitator.

My research foci have been on perception and adaptation to climate change, educational experiential learning, and plural knowledge systems as a method of transdisciplinary understanding in order promote proactive change through community-based collaborative management. My personal focus has been on community advancement through adaptive management, social and physical media, and intercultural communication.

Education

Purdue University

Master of Science Degree in Ecological Sciences & Engineering  West Lafayette, Indiana  2011 – 2014
Focus on human dimensions of climate change and transdisciplinary studies as part of the Natural Resources Social Science Laboratory in the Department of Forestry & Natural Resources.

Haskell Indian Nations University

Bachelor of Arts Degree in Indigenous & American Indian Studies  Lawrence, Kansas  2009 – 2011
Focus on history, law, art, and philosophy concerning American Indian and Alaska Native lifeways and contemporary issues, with research centered on climate change impacts in Indian Country.

Associate of Arts Degree in Creative Writing  2006 – 2009
Focus on poetry, short stories, and English language as a communication medium and art form.

Experience

Western Washington University

Academic Support Coordinator, Student Outreach Services  Bellingham, Washington  July ’17 – present
The Academic Support Coordinator is a member of the Student Outreach Services Team who participates in a full range of retention efforts. The primary purpose of the Academic Support Coordinator is to facilitate academic advising/coaching, academic intervention, cultural/social integration, and outreach to traditionally underrepresented and non-traditional students. This position is responsible for providing academic support for American Indian and Alaska Native students to help students transition to Western, meet their goals, overcome personal challenges and achieve academic success.

Northwest Indian College

Director, TRiO Student Support Services  Bellingham, Washington  September ’15 – July ’17
The Director has oversight of the TRiO Student Support Services program and is responsible for budget authority and grant management as well as program design and execution. The Director provides supervision, recruitment, and training, of the program staff, and determines student eligibility and intervention strategies. Further responsibilities include service as a liaison between NWIC and partner institutions (such as the Campus Community Coalition) to identify opportunities for graduating students to enter graduate and professional programs and other community service opportunities.

Northwest Indian College

Academic & Career Advisor for Sciences  Bellingham, Washington  September ’14 – September ’15
As an advisor, I worked with predominately American Indian and Alaska Native students within the Native Environmental Science discipline and provide necessary direction and mentorship to ensure adequate educational planning for the student’s intended program of study as well as providing assistance to students in understanding degree requirements, planning schedules, and monitoring satisfactory academic progress. Further duties included serving as Native Environmental Science faculty, with specific instruction in Climate Change, Political Ecology, and Indigenous Philosophies.
650ppm: Climate Vulnerability Assessment of Costa Rica

This study seeks to identify and evaluate climate change impacts, risks, and vulnerabilities of Costa Rica using complex climate change model simulations and simpler modeling tools. Based on multiple projected emissions schemes, this study explores the policy, ethics, and methods to reduce carbon emissions (and consequence of business-as-usual action) utilizing several strategies including a corporate tax, compounding restrictions based on corruption and social-iniquity indexes to protect poor and marginalized populations, and market-based emissions reduction instruments.
Deer & Sugar Creek Water Management Program  
Purdue University, W. Lafayette, IN
Facilitator/ Natural Resource Analysis  
Sep '11 – Nov '11
The Deer and Sugar Creek Working Group watershed management plan meeting was held at the Flora 4H Building in Flora, IN on October 19, 2011. The comments gathered during the meeting were comprised from stakeholder input from table discussions, questionnaires and a brief survey, to develop a local strategy for watershed management.

A Closer Look...

Costa Rica

Editorial/Cultural Exchange  
May '11 – Jun '11
As climate changes lead to rising temperature and fluctuations in precipitation, the indigenous peoples of Costa Rica must find ways to adapt to novel events in both recorded and oral histories. I spent two weeks with the Bri Bri and Maleku peoples, living and learning with them in their respective environments. Part of the time I was learning about the local ecosystems, while the rest of the time was spent helping the community to build gardens, construct schools and sanitary facilities, all the while sharing my own native culture and experience.

Operation: Get Better  
HINU, Lawrence, KS
Project Director/ Facilitator  
Aug '10 – July '11
As a long-term Clinton Global Initiative commitment to action, Operation: Get Better was a crowd-sourced program to develop student-led wellness initiatives at Haskell Indian Nations University including: “The Big Idea” wall, fruit tree planting, campus clean-up, adopt-a-freshman program, music videos, and IT initiatives, as well as planting organic gardens and building sanitation facilities in indigenous communities in Costa Rica.

Student Senate  
HINU, Lawrence, KS
President  
Aug '10 – May '11
Served as Student Body President and was effective as the chair of the organization where students may serve their interest and govern those affairs that directly and primarily affects them: promoting leadership, academic growth, and excellence in affirming the rights of every student. Represented the student body in lobbying efforts in both state and federal governments. Sat on University Council and assisted with curriculum review and departmental assessment. Particular focus was on student retention, and reestablishing the effective governance of the student senate in accordance with its constitution while also re-incorporating indigenous values and systems of governance.

Vice-President  
Aug '09 – May '10
Served as Student Body Vice-President and sought to promote legislation through formatting, while addressing the inter-generational trauma and distrust of documentation. Was effective in lobbying congress on behalf of the American Indian Higher Education Consortium, as well as for HINU and NSF. Further work was to reduce the amount of paper waste generated by the student government and establish internet-based tools and presence, as well as fund-raising for student initiatives.

Haskell Environmental Research Studies Institute  
HINU, Lawrence, KS
Research Intern  
June '09 – July '10
Summer research experience based in conjunction with the National Science Foundation through Kansas EPsCoRP to conduct undergraduate research. Focus was on studying potential energy mitigation and changing paradigms in mobile information communication technologies. Engagement included the creation of digital resources such as a YouTube video and GoogleDocs presentations to practically illustrate the method in which mobile information can potentially reduce greenhouse gas emissions.

Wetlands Preservation Organization  
HINU, Lawrence, KS
President  
Aug '08 – May '09
As president of the Wetlands Preservation Organization, through collaboration with the Clinton Global Initiative University and the PowerShift conference, I was able to bring international awareness to the issue of the Kansas Department of Transportation plan to build a 10-lane highway through the middle of an ecologically, culturally, and hydrologically important wetlands south of the Haskell campus. I lead the continuation of the lawsuit against the Kansas Department of Transportation, as well as the Army Corp of Engineers. Also led several community events to bring awareness to the issue. Further work included community workshops to educate and practice wetlands management techniques, clean-ups, and also events which brought local artists and musicians together to focus on positive messaging concerning environmental issues.

Vice-President  
Aug '07 – May '08
Following the lead of fellow student leaders, I joined the WPO and served as vice president. Through collaboration with the University, was invited to speak at several environmental justice conferences to learn from other environmental groups on how to promote justice as well as raise awareness and membership.
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name Treva
Last Name Gabrisch
Date 1/8/2018
Street Address 2316 E St.
City Bellingham
Zip 98225
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 3602201606
Secondary Telephone Field not completed.
Email Address trevacee@gmail.com

Step 2
<table>
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<th>Question</th>
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<td>1. Name of Board or Committee</td>
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<td>4. Are you a US citizen?</td>
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<td>7. Have you ever been a member of this Board/Commission?</td>
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<td>8. Do you or your spouse have a financial interest in or are you an employee of any business or agency that does business with Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>If yes, please explain</td>
<td>I work for the Nooksack Indian Tribe, and my husband works for the Lummi Indian Business Council. In 2016, I worked as an employee of Nooksack Tribe under a subrecipient agreement with Whatcom County for ecosystem recovery planning.</td>
</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td>TCoe_ClimateImpactCmte.pdf</td>
</tr>
</tbody>
</table>
9. Please describe your occupation (or former occupation if retired), qualifications, professional and/or community activities, and education

Habitat Program Manager/Fisheries Biologist for Nooksack Indian Tribe, with: (1) M.S. in Fisheries and Aquatic Sciences from University of Washington; (2) over 18 years of experience in fisheries biology and salmon recovery, watershed restoration and management, and climate impacts and adaptation; and (3) familiarity with salmon recovery, floodplain management, and land use issues in Whatcom County.

10. Please describe why you’re interested in serving on this board or commission

As a mother of two, I am deeply concerned about the social, economic, and environmental impacts of climate change, and I am committed to supporting local efforts to transition to clean energy and build climate resilience.

References (please include daytime telephone number):

Elizabeth Hartschoch, (360) 305-5624. Lisa McShane, (360) 201-0779.

Signature of applicant:

Treva Coe Gabrisch

Place Signed / Submitted

Bellingham, WA
SUMMARY

- Strong professional background in fisheries biology and salmon recovery, watershed restoration and management, and climate impacts and adaptation.
- Familiarity with salmon recovery, floodplain management, and land use issues in Whatcom County.
- Personal interest in supporting local efforts to transition to clean energy and build climate resilience.

EDUCATION AND HONORS


RELEVANT WORK EXPERIENCE

- Habitat Program Manager/Fisheries Biologist. Nooksack Indian Tribe. July 1999 - present. Manage Tribe’s salmon habitat restoration program, overseeing salmon and ecosystem recovery planning, habitat restoration project implementation, and habitat monitoring in Water Resource Inventory Area (WRIA) 1, the Nooksack Basin. Selected accomplishments include: (1) coordinated development of WRIA 1 Salmonid Recovery Plan, WRIA 1 Salmon Habitat Restoration Strategy, and associated technical ecosystem and salmon recovery planning documents; (2) currently leading assessment of vulnerability of salmon to climate change in the Nooksack River watershed; and (3) past and ongoing participation in numerous technical committees, including Floodplain Integrated Planning Team, WRIA 1 Instream Flow/Fish Habitat Technical Team, and WRIA 1 Salmon Recovery Staff Team.

SELECTED PUBLICATIONS


OTHER

• Trained as Climate Reality Leader in Bellevue, June 2017.


• Attended 2013, 2015, and 2017 Northwest Climate Conferences.
Board and Commission Application

**Step 1**

Application for Appointment to Whatcom County Boards and Commissions

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<tr>
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<tr>
<td>Street Address</td>
<td>2002 Larrabee</td>
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<td>City</td>
<td>Bellingham</td>
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<td>Zip</td>
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<td>Email Address</td>
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**Step 2**
1. Name of Board or Committee: Climate Impact Advisory Committee

- Climate Impact Advisory Committee: Yes

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 1

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5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? Yes

- If yes, please explain: I am currently employed as a process engineer at the BP Cherry Point refinery

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

- Field not completed.

9. Please describe your current occupation: My current occupation is a process engineer at the BP Cherry...
I have a strong personal conviction that my great purpose in life is to have a significant impact on what I believe to be the largest single challenge currently facing our society, that being global climate change. I have carefully picked my education,
work-place and interests to put me in a position where I can and do have a personal impact on climate change on a regular basis. I think the next step in my journey is to become more involved in alternative energy and climate change policy and regulation. I think my background sets me up perfectly to be successful as a part of this board because I understand how climate policy is implemented in the real world and so I think I can do a great job of helping to recommend change that will have a truly beneficial impact. I have a passion for smart climate control techniques that involve all parties from multiple perspectives and think that is the only way we will actually solve the great problems we face. I am ready to serve the community as a part of this board. I think my life events have built up to this, and can't wait to be considered.

References (please include daytime telephone number):

Pamela Brady, Public affairs BP Cherry Point 360-371-1519
Steve Mrazek, Environmental superintendent BP Cherry Point 360-526-4003

Signature of applicant: Derek Gremban

Place Signed / Submitted Bellingham Washington

Email not displaying correctly? View it in your browser.
**Board and Commission Application**

**Step 1**

Application for Appointment to Whatcom County Boards and Commissions

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<tr>
<td>Last Name</td>
<td>Grossman</td>
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<td>Street Address</td>
<td>2117 Williams St</td>
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<td>Zip</td>
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</tr>
<tr>
<td>Secondary Telephone</td>
<td>360-650-4697</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:eric1grossman@gmail.com">eric1grossman@gmail.com</a></td>
</tr>
</tbody>
</table>

**Step 2**
1. Name of Board or Committee | Climate Impact Advisory Committee
---|---
2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? | Yes
3. Which Council district do you live in? | District 2
4. Are you a US citizen? | Yes
5. Are you registered to vote in Whatcom County? | Yes
6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? | No
7. Have you ever been a member of this Board/Commission? | No
8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? | No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, | Research Geologist/Oceanographer (Ph.D.) with the U.S. Geological Survey (Department of Interior) who specializes in natural hazards, ecosystems, and climate change impacts. Experience publishing and communicating scientific findings to
professional and/or community activities, and education

improve understanding of and planning for coastal processes and change (including the impacts of sea-level rise, storms and waves), changing river dynamics and associated fluvial sediment transport, and groundwater. Research Faculty in Geology Department of Western Washington University, member Skagit Climate Science Consortium, Washington Coastal Hazards and Resilience Network, participant/contributor to diverse climate change impact assessments including the 2012 National Academy of Sciences West US Coast Sea Level Rise Assessment, 2012 WA State Climate Change Adaptation Strategy, 2015 UW Climate Impacts Group State of Knowledge Climate Impacts and Adaptation in Puget Sound Report. Leader of the Washington Storm Surge Monitoring Network, a citizen science project documenting coastal change and helping to validate the USGS Coastal Storm Modeling System (PS-CoSMoS) to inform coastal vulnerability under projected sea-level rise, climate and land-use change.

10. Please describe why you’re interested in serving on this board or commission

Share knowledge and international to local insight on climate change impact pathways, established and emerging science, mitigation and adaptation strategies, along with guidance and opportunities for coordinated investments in land-use actions, including ecosystem protection/restoration, that can help reduce and mitigate natural hazards risk and enhance resilient climate change adaptation. Interest, capacity, and enthusiasm to work with diverse communities, agencies and decision makers to find mutually beneficial solutions for resilient ecosystems and economic growth.

References (please include daytime telephone number):

Scott Linneman, Professor WWU (360-650-3446); Paula Harris, Whatcom County Flood District (360) 778-6285

Signature of applicant: Eric Grossman

Place Signed / Submitted Bellingham, WA

Email not displaying correctly? View it in your browser.
CURRICULUM VITAE - ABBREVIATED

ERIC EDWARD GROSSMAN, PH.D., Research Geologist, U.S. Geological Survey
Pacific Coastal and Marine Science Center and Research Assoc. Western Washington University
Dept. of Geology, 516 High St., MS9080, Bellingham, WA 98225; Ph: 360-650-4697; egrossman@usgs.gov

EDUCATION
Ph.D., JUNE 2001 Marine Geology and Geophysics, University of Hawaii
M.S., MAY 1997 Marine Geology and Geophysics, University of Hawaii
B.A., MAY 1989 Geography, University of California, Berkeley

PRINCIPAL RESEARCH
Coastal Processes Affecting Ecosystems, Coastal Climate Change Impacts/Assessments

CURRENT USGS RESEARCH PROJECTS
PI - USGS Multidisciplinary Studies of Coastal Habitats in Puget Sound: Large River Deltas
PI - USGS Sea Level Rise and Climate Change Impacts, Puget Sound Coastal Storm Modeling System

RELEVANT SCIENTIFIC PANELS-BRIEFINGS
National Research Council West Coast Sea-Level Rise Committee (June 2011)
Washington Coastal Hazards and Resilience Network (2012-present)
Skagit Climate Science Consortium (2009-present)
US EPA-Environment Canada Transboundary Indicators Project (2009-present)
Pacific Marine and Estuarine Fish Habitat Partnership Science Committee (2011-present)
Climate Impacts and Adaptation in Puget Sound (2015 Report contributor)

STUDENTS ADVISED

SELECT PUBLICATIONS RELATED TO LAND-USE AND CLIMATE CHANGE AND IMPACTS


Board and Commission Application

**Step 1**

Application for Appointment to Whatcom County Boards and Commissions

Public Statement

*THIS IS A PUBLIC DOCUMENT*: As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

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<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name</td>
<td>William</td>
</tr>
<tr>
<td>Last Name</td>
<td>Harman</td>
</tr>
<tr>
<td>Date</td>
<td>12/15/2017</td>
</tr>
<tr>
<td>Street Address</td>
<td>2217 Walnut St</td>
</tr>
<tr>
<td>City</td>
<td>Bellingham</td>
</tr>
<tr>
<td>Zip</td>
<td>98225</td>
</tr>
<tr>
<td>Do you live in &amp; are you registered to vote in Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>Do you have a different mailing address?</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>Primary Telephone</td>
<td>425-766-6236</td>
</tr>
<tr>
<td>Secondary Telephone</td>
<td>360-927-4281</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:wcaseyharman@hotmail.com">wcaseyharman@hotmail.com</a></td>
</tr>
</tbody>
</table>

**Step 2**
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 2

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions:

9. Please describe your occupation (or former occupation if retired), qualifications, Please see attached resume. I'm a professional electrical engineer for the local electric utility. I work in power generation, and have experience and knowledge in the energy sector that will allow me to provide a unique voice in the climate impact...
10. Please describe why you’re interested in serving on this board or commission

I grew up in Whatcom County. I graduated from Mt. Baker Highschool and now live and work in Bellingham. My parents, my wife’s parents and other family and friends live here. I love this city and this county and I want to see it thrive and be a place my children and grandchildren can live happily. I’m also passionate about energy in general, and power generation in particular. Climate and energy will continue to be a great societal challenge for us. I would be thrilled to use my knowledge and experience in traditional energy sources, renewable energy sources and power system operation to provide our local leadership with a well-rounded and carefully-considered perspective so they can better help our society meet that challenge.

References (please include daytime telephone number):

Lynn Murphy, Puget Sound Energy: 360-766-5467
Chris Brown (supervisor), Puget Sound Energy: 425-462-3447

Signature of applicant: W. Casey Harman
Place Signed / Submitted: Bellingham, WA
William Casey Harman, P.E.

2217 Walnut St.
Bellingham WA 98225
425.766.6236
wcaseyharman@hotmail.com

Objective: To share my knowledge and experience in the electrical energy utility sector with my community and together help create a better, cleaner and more sustainable future for our county.

Qualifications: I bring 10 years of experience in the local electric utility with specific expertise in Power Generation design, operation, maintenance and compliance. I understand the power grid fundamentals and the complexity that goes into ensuring the lights stay on all the time. I've worked with traditional generating resources like hydro-electric and thermal resources as well as modern renewable energy sources and battery storage systems. I understand the benefits and challenges with the increasing renewable resources in our power system. I think I can bring a unique, well rounded and knowledgeable voice to the Climate Impact Advisory Committee.

Experience

Puget Sound Energy: Power Plant Electrical Engineer, Bellevue/Bellingham WA (2008-Present)
Varied experience in power plant electrical engineering and project management for hydroelectric, thermal and wind power plants including:
- Experience in design and operation of power plant facilities - control systems, large electric equipment procurement and repair and electrical protection systems.
- Experience testing and modeling generators and generator control systems for use in power system studies.
- Expertise in generator compliance - ensuring generator design and operation align with national and regional reliability standards.
- Experience with battery storage facility design, construction and operation.
- Experience in electrical distribution: storm restoration and power quality
- Knowledge in overall electrical grid operation and generator operational requirements.
- Experience with design and requirements to connect new generators into the utility system.
- Some experience with microgrid and generator islanding operations.
- Familiarity with system energy needs, costs and operational requirements.

One year of short assignments in various engineering departments. Exposed to a wide variety of electrical and mechanical related working groups within Puget Sound Energy.

Licenses
Professional Engineer in Power Engineering

Education
University of Idaho
Master of Engineering, Electrical Engineering;
Power Systems Emphasis: System Protection, Rotating Machines

Washington State University: B.S. Mechanical Engineering

Awards
PSE Power Awards for effort on controls system upgrade and overvoltage investigation
PSE Star Award for compliance support during NERC audit

Organizations
IEEE, Power and Energy Society
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name Jacob
Last Name Hartsch
Date 1/8/2018
Street Address 2323 Lynn St.
City Bellingham
Zip 98225
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 3602248627
Secondary Telephone 3602248627
Email Address jacobhartsoch@yahoo.com

Step 2
1. Name of Board or Committee
   - Climate Impact Advisory Committee

   Climate Impact Advisory Committee - No

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying?
   - Yes

3. Which Council district do you live in?
   - District 2

4. Are you a US citizen?
   - Yes

5. Are you registered to vote in Whatcom County?
   - Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?
   - No

7. Have you ever been a member of this Board/Commission?
   - No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?
   - No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, 
   - Resume and cover letter attached as a single PDF
professional and/or community activities, and education

10. Please describe why you’re interested in serving on this board or commission

References (please include daytime telephone number):
Kelly Andrews, owner Fairhaven Health (425) 941-2692, Ethan Lynette COO Fairhaven Health (360) 296-2482

Signature of applicant: Jacob Hartsoch

Place Signed / Submitted: Bellingham, WA
JACOB HARTSOCH

LEADER. SOFTWARE ARCHITECT. SUSTAINABLE LIVING AFICIONADO. POET. GETS IT DONE.

Bellingham, WA
360.224.8627
jacobihartsoch@yahoo.com
permanentplanet.com

AWARDS

Patent

Systems and methods for accessing vehicle communications bus information for an application processor
Patent issuer and number are US9734119 B1

WORK EXPERIENCE

Fairhaven Health, LLC
Senior Software Architect

I span the software product life cycle for a small company. If it’s technical in nature and related to helping us to succeed and grow, my hands are in it. From a technical level, this includes iOS development, front and back end web development, embedded hardware development and troubleshooting, and whatever else needs to be done. If we don’t have the skills in-house, we open up the firehose and acquire them. From an enterprise level, I use my experience and judgement to help make good decisions on everything from architecture, tools, design, deployment strategies, etc. It’s a very good place to be and I work with some fantastic people.

PermanentPlanet.com
Founder

Founded and built the world’s easiest carbon footprint calculator based on current research. The tool allows individuals and families to quickly determine their footprint and see instantly what changes really matter. The world needs us.

Qualnetics
Head M2m Software Engineer

Software lead on in-vehicle telematics device from concept to commercial production: Proof of concept, drivers, architecture, communication optimization, data-driven test evaluation, etc. Patent granted 2017

Education Logistics, Inc
Head of Development-Mobile

Head of Development-Mobile Technologies at. (12 years 4 months) Managed the development of a prototype mobile GPS application into a suite of support products for the Education transportation industry. Successfully integrated outsourced software components with a combination of management, testing, and hands-on development to create a commercial product.

Harebl, Inc.
Statistical Modeling Consultant

Statistical Analysis and Market Modeling for a small arbitrage group. Created custom software for the real-time pricing and valuation of alternative markets using historical data.

Emerson Kennedy Consulting
Software Developer

Consulted on and off site solving unique software development problems for Seattle area companies: Addressed the problem of remote user administration during the rollout of Microsoft Office Server Extensions through a unique software process. Proof of concept design, research, and initial development of HTML-based CD Media browser for Microsoft Technet. Designed and optimized data format and retrieval around the limitations of CD Media at the time. Developed an algorithm-based dictionary parser for French, German and English Sierra Online Design and development of installation manager WRQ.

EDUCATION

Gonzaga University
B.Sc

Costello Poetry Award Recipient. Track and Field Coaches Award.

COMMUNITY

Greater Bellingham Running Club. Vice President.
WHY I'M INTERESTED IN THE CLIMATE IMPACT ADVISORY COMMITTEE

Dear County Council Members,

I believe I have a unique and valuable perspective to offer this committee and I'm extremely motivated to do this work.

I grew up in rural Montana, but have spent the last 13 years building a family and life here in Bellingham. In the last few years my wife and I have made a serious commitment to reducing our own climate impact and it's been incredibly satisfying. Some of the things we've done include commuting by bicycle, giving up vacation air travel, producing all of our power via solar, changing our diet, and generally consuming less. In our circle of friends, we are known and respected as mavens in the climate change space and, frankly, if feels damn good.

I am also the founder of www.permanentplanet.com, an online carbon footprint calculator that allows families and individuals to easily determine their own footprint and, most importantly, evaluate what changes in their lifestyle would make the biggest impact. It's been shared by Bill McKibben at 350.org!

I built the online tool specifically for my family as we transitioned to a lower impact lifestyle. The research, data analysis, and healthy skepticism necessary for this work was right in my wheelhouse.

In short, I'm the guy to help juggle the data, science, and disparate incentives of all the interested parties and tease out where we can realistically spend our energy and resources to have the biggest impact. I am a pragmatic, get it done kind of leader who knows how to stay out of the weeds and focus on achievable results. Every committee needs a few of those and I'd love the opportunity to serve.

Thanks for your time.

Jacob Hartsoch

Bellingham, WA
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement

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First Name  C. Kenneth
Last Name  Heck
Date  1/5/2018
Street Address  500 Highland Drive
City  Bellingham
Zip  98225
Do you live in & are you registered to vote in Whatcom County?  Yes
Do you have a different mailing address?  Field not completed.
Primary Telephone  360-733-2841
Secondary Telephone  360-305-0732
Email Address  kenheck73@gmail.com

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying? Yes

3. Which Council district do you live in? District 1

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions.

Resume for C. Kenneth Heck 2018.pdf

9. Please describe your occupation (or former occupation if retired), qualifications, & interest. See resume
professional and/or
government activities, and
education

10. Please describe why you’re interested in serving on this board or commission

I would like to contribute to my community, and think that global warming is one of the most important issues of our time. My background in the oil industry could be helpful.

References (please include daytime telephone number):

Signature of applicant: C. Kenneth Heck

Place Signed / Submitted: Bellingham, WA

Email not displaying correctly? View it in your browser.
Resume for C. Kenneth Heck

Citizenship: U.S.   Contact:   Telephones:  (360) 733-2841 (home)
                          (360) 305-0732 (cell)
Date of Birth: 21 May 1941   Email kenheck73@gmail.com
Address:  500 Highland Drive, Bellingham, WA 98225
Education:  B.S. Chemical Engineering, San Jose State University, California  1964

M.S. Chemical Engineering, University of Colorado, Colorado  1965

Ph.D. Chemical Engineering, University of Colorado, Colorado  1968

Work Experience:

- Thirty years of engineering and research for Shell Oil Company from 1968 to 1998, as detailed below:
- Engineering research at Shell Development Co., Emeryville, CA, 1968 – 1971 (oil shale retorting, advanced fuels research, spray quenching process)
- Planning and economics in Shell Oil’s Corporate Planning, Houston, TX, 1971 – 1973 (energy forecasting, small car study, capital requirements in oil industry)
- Research Supervisor at Shell’s Westhollow Research Center, Houston, TX, 1973 – 1975 (managed group of metallurgists and corrosion scientists dealing with oil refinery and chemical plant problems)
- Process Engineering Manager at Shell Chemical’s Marietta, Ohio Plant, Belpre, OH, 1975 – 1979 (managed a group of plant chemical engineers and chemists in polymer processing facility)
- Research Manager at Westhollow Research Center, Houston, TX, 1979 – 1994 (managed polymers research group, and oilfield support research group)
- Retired in 1998
Volunteer Activities:

- Judging at Science Fairs – several years
- Creative Writing review for Fairhaven Middle School – several years
- Treasurer for Bellingham Unitarian Fellowship (church) for three years
- Member of Board of Directors for Bellingham Unitarian Fellowship for three years
- Coaching children’s sports (baseball, soccer, basketball) for several years

Other Activities and Interests: Reading, Walking, Gaming and Cinema, Travelling
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement

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First Name  Renee
Last Name  Holt
Date  1/8/2018
Street Address  1003 24th St #103
City  Bellingham
Zip  98225
Do you live in & are you registered to vote in Whatcom County?  Yes
Do you have a different mailing address?  Field not completed.
Primary Telephone  4255308800
Secondary Telephone  Field not completed.
Email Address  holtr3@wwu.edu

Step 2
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<th>Question</th>
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<tr>
<td>1. Name of Board or Committee</td>
<td>Climate Impact Advisory Committee</td>
</tr>
<tr>
<td>2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Which Council district do you live in?</td>
<td>District 1</td>
</tr>
<tr>
<td>4. Are you a US citizen?</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Are you registered to vote in Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?</td>
<td>No</td>
</tr>
<tr>
<td>7. Have you ever been a member of this Board/Commission?</td>
<td>No</td>
</tr>
<tr>
<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>If yes, please explain</td>
<td>My employer is Western Washington University.</td>
</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td>Resume-2.pdf</td>
</tr>
<tr>
<td>9. Please describe your occupation (or former)</td>
<td>I am pursuing a Master's degree in environmental policy and justice, and have studied issues related to climate change and</td>
</tr>
</tbody>
</table>
Occupation if retired, qualifications, professional and/or community activities, and education

how this impacts vulnerable communities in particular. I am particularly interested in food access and systems, and plan to focus my own grad research on this issue within the Birchwood neighborhood. I am currently employed as a graduate teaching assistant at Western Washington University, where I have an opportunity to teach a variety of students enrolled in environmental studies and science majors. This role as an educator is crucial and has given me skills necessary as Whatcom County works to communicate goals, and educate the public on policies related to climate change. I am qualified for this position because of my educational experience and feel that I can provide a fresh, and new perspective on how to solve climate change issues within the county.

10. Please describe why you're interested in serving on this board or commission

Protecting the environment has been important to me for a long time, and as an undergrad student I learned the importance of working at the local level of government to address climate change. I am passionate about protecting our air, land, water and all of the people who rely on the environment for economic reasons, culture, or just for leisure. I would like to help the county shift toward clean energy and sustainable development, while listening to the concerns and ideas of people in our community, especially younger generations who will continue to be forced to deal with climate change.

References (please include daytime telephone number):

Jonathan Dymond - Assistant Director of Annual Giving and Phonathon at Western Washington University (360) 650-2562
Maria McLeod - Journalism Professor at Western Washington University: (360) 650-4270

Signature of applicant: Renee Holt

Place Signed / Submitted: Bellingham, WA

(Section Break)

Email not displaying correctly? View it in your browser.
Renee Holt

Renee Holt
Bellingham, Washington

425-530-8800
holtr3@wwu.edu

Skills

Public Relations skills including press releases, public service announcements, and knowledge of Adobe InDesign

AP Style

Customer service and ability to work both in teams and individually to meet deadlines

Experience

Western Washington University / Graduate Teaching Assistant
September 2017 - Present, Bellingham, Wash.

Experience with teaching students from diverse personal and academic backgrounds in Environmental Studies. Duties include encouraging critical writing and readings skills, grading assignments, leading discussion groups, and communicating with students.

YWCA Bellingham / Intern
June 2016 - September 2016, Bellingham, Wash.

Work with and assist women who are in need of transitional housing in Bellingham. Performed basic office work.

Western Washington University / Student Caller

Called alumni and parents of students to fundraise and maintain relationships with those connected to the university. Used customer service skills to communicate with a diverse group, and maintain confidential information such as addresses and credit cards.

Education

Western Washington University / MA in Environmental Studies
September 2017 - Present, Bellingham, Wash.

Concentration on Environmental Policy and Justice, research in food systems and justice through Huxley College of the Environment.

Western Washington University / BA in Political Science
September 2013 - June 2017, Bellingham, Wash.

Major in Political Science

Minors: Environmental Studies; Journalism (public relations emphasis).
Awards

The Western Front at Western Washington University:
1. Most Professional (daily section)
2. Best Online Reporter (online section)
3. Best Copy (copy desk)

National Honor Society, Advanced Placement Scholar and President’s Award for Educational Excellence - Gold Award (Holy Names Academy - Seattle, Wash.)

Community Service

Imagine Children’s Museum / Volunteer
Fall 2009 - Spring 2013, Everett, Wash.

Worked directly with community through museum events and in the art station. Also worked in back offices keeping records of items, organizing, cleaning and preparing art projects for the week.
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name Tim

Last Name Johnson

Date 1/4/2018

Street Address 2072 Academy Road

City Bellingham

Zip 98226

Do you live in & are you registered to vote in Whatcom County? Yes

Do you have a different mailing address? Field not completed.

Primary Telephone 360-384-8368

Secondary Telephone Field not completed.

Email Address tim.johnson@p66.com

Step 2
1. Name of Board or Committee | Climate Impact Advisory Committee
---|---
2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? | Yes
3. Which Council district do you live in? | District 3
4. Are you a US citizen? | Yes
5. Are you registered to vote in Whatcom County? | Yes
6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? | No
7. Have you ever been a member of this Board/Commission? | No
8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? | No
9. Please describe your occupation (or former occupation if retired), qualifications, | Environmental Team Leader at Phillips 66 Ferndale Refinery - manage waste and water compliance, natural resource and land use permitting. Volunteer board of directory for Whatcom County Habitat for Humanity. BS Biology - Eastern University;
professional and/or community activities, and education

10. Please describe why you’re interested in serving on this board or commission

To support development of recommendations on climate policy, targets, and guidelines for our County that are: balanced; based upon credible science; reflective of the broad interests of County residents and businesses; and, providing careful consideration of impacts of such recommendations.

References (please include daytime telephone number):

John Andersen, 360-780-7129

Signature of applicant: Tim Johnson

Place Signed / Submitted: Ferndale, WA

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Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name  David

Last Name  Kershner

Date  1/9/2018

Street Address  3417 Sunrise Road

City  Lummi Island

Zip  98262

Do you live in & are you registered to vote in Whatcom County?  Yes

Do you have a different mailing address?  Field not completed.

Primary Telephone  360-758-2113

Secondary Telephone  Field not completed.

Email Address  davekershner@yahoo.com

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 5

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, & interest: I have conducted environmental research and evaluated policy proposals for not-for-profit organizations based in Seattle and Washington, D.C. My work has included policy analysis on energy and land use issues. For my masters degree, I
professional and/or community activities, and education

conduct a policy analysis of the Electric Consumers Protection Act. I volunteer with the Nooksack Salmon Enhancement Association and Lummi Island Foundation for Education.

10. Please describe why you’re interested in serving on this board or commission

I believe we owe it to future generations to address climate change impacts and I would like to help the County respond and adapt to climate change. I have the time to devote to public service and believe that my experience and skills would help the commission achieve its goals as set forth by the Council.

References (please include daytime telephone number):

Alan Durning, Executive Director, Sightline Institute (206-447-1880) Arjun Makhijani, President, Institute for Energy and Environmental Research (301-270-5500) Grace Briskey, former board member, Lummi Island Heritage Trust (360-758-7125)

Signature of applicant: David Kershner
Place Signed / Submitted: Lummi Island, WA

Email not displaying correctly? View it in your browser.
# DAVID W. KERSHNER

3417 Sunrise Road • Lummi Island, WA 98262 • (360) 758-2113 • davekershner@yahoo.com

## PROFESSIONAL EXPERIENCE

<table>
<thead>
<tr>
<th>Role/Position</th>
<th>Organization</th>
<th>Dates</th>
<th>Responsibilities/duties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Fellow/Volunteer</td>
<td>Sightline Institute</td>
<td>Sept. 2010 to Present</td>
<td>Research the environmental impacts of energy infrastructure projects; contribute to blog posts about energy infrastructure and other topics affecting the Northwest.</td>
</tr>
<tr>
<td>Real Estate Investor</td>
<td>Kershner LLC</td>
<td>Dec. 2010 to Present</td>
<td>Own and manage real estate in Whatcom County.</td>
</tr>
<tr>
<td>Caregiver/Personal Assistant</td>
<td>Irvin Kershner (filmmaker, photographer)</td>
<td>May 2007 to Nov. 2010</td>
<td>Was Mr. Kershner’s principal caregiver and personal assistant, providing health advocacy, office management, and scheduling during a three and a half year battle with lung cancer.</td>
</tr>
<tr>
<td>Co-founder/Exec. Director/Senior Adviser</td>
<td>Lummi Island Heritage Trust</td>
<td>Jan. 1998 to July 2007</td>
<td>Co-developed the organization’s business plan; managed two capital campaigns that raised $1.7 million for land acquisition projects; served as the second executive director; acted as principal liaison with government agencies; wrote and edited a quarterly newsletter and conducted environmental education tours on protected lands.</td>
</tr>
<tr>
<td>Student Assistant</td>
<td>University of Michigan</td>
<td>Jan. 1996 to June 1997</td>
<td>Organized a speaker series for the Pew Fellows Program; acted as liaison between prospective students and the admissions committee; made recruitment calls.</td>
</tr>
<tr>
<td>Researcher/Project Coordinator</td>
<td>Institute for Energy and Environmental Research</td>
<td>Sept. 1992 to Feb. 1995</td>
<td>Researched and wrote publications on the environmental impacts of incineration and nuclear-weapons-related activities; provided copy editing assistance for two books published by MIT Press; organized a conference on plutonium issues in Washington, DC.</td>
</tr>
<tr>
<td>Information Coordinator</td>
<td>Ecology Center (Berkeley, CA)</td>
<td>Sept. 1990 to Sept. 1992</td>
<td>Responded to public inquiries for information; oversaw maintenance of a public access library; wrote articles and served as a guest editor for the organization’s monthly publication.</td>
</tr>
</tbody>
</table>

## RELEVANT SKILLS

- Natural resource and environmental policy analysis
- Writing and editing blog posts, newsletter articles, and reports
- Project management for multiple not-for-profit organizations
- Use of a variety of web-based communication tools
- Organized, self-motivated, detail-oriented, and able to work under pressure

## EDUCATION

<table>
<thead>
<tr>
<th>Institution</th>
<th>Degree</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Natural Resources and Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major: Resource Policy and Behavior</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California, Berkeley</td>
<td>Bachelor of Arts, with honors</td>
<td>Aug. 1985 to June 1990</td>
</tr>
<tr>
<td>Major: Geography, concentration in environmental issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor: Conservation &amp; Resource Studies</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*References Available Upon Request*
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name George [Sandy]
Last Name Lawrence
Date 1/5/2018
Street Address 5780 Schickler Lane
City Bellingham
Zip 98226
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 3603052259
Secondary Telephone 3603039284
Email Address sandy.george.lawrence@gmail.com

Step 2
1. Name of Board or Committee
Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying? Yes

3. Which Council district do you live in? District 3

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, Stanford undergraduate, University of Missouri at Columbia medical school, University of California at San Francisco residency, 16 years full-time teaching medicine with main academic affiliation at UC Davis, minor appointment thru
professional and/or community activities, and education

Stanford med school, followed by move to Bellingham 22 years ago, with primary care and urgent care practice. Now retired from medicine but back to teaching, with for example completion of two seminar series for Western's ALL program and a ten seminar series last spring for Resources for Sustainable Communities. Several individual lectures in the geology department and an upcoming presentation in the Huxley speakers program.

10. Please describe why you're interested in serving on this board or commission

I have spoken in hearings both before the County Council and also the County Charter Commission about environmental issues, largely focused on the voluminous data relating to the changing climate. The data from the IPPC and multiple other sources strongly militate in terms of focus on renewable energy supplies, land use and population.

References (please include daytime telephone number):

Scott Linnemann, PhD in the geology department at Western (360) 650-3446 Multiple other references if needed.

Signature of applicant: George [Sandy] Lawrence

Place Signed / Submitted: Bellingham, WA

Email not displaying correctly? View it in your browser.
Identification: George [Sandy] Warren Lawrence
Axton Road Bed&Breakfast, LLC
5775 Schickler Lane
Bellingham, WA 98226
Tel: [360] 398-9196 home
Tel: [360] 305-2259 cell
Email: sandy.george.lawrence@gmail.com

Birth: April 2nd, 1950
Minneapolis, Minnesota

Marital status: married with children
[wife] Barbara Jean Schickler, MSN, ARNP, CNM
Meghan, born 1981
Melissa, born, 1984
Yancey, born 1987

Undergraduate: ’68-’72 Stanford University
Administrative Records
Encina Hall
Stanford, CA 94306-6076
Degree: BA in psychology

Medical school: ’72-’77 University of Missouri at Columbia
School of Medicine
Office of Administrative Records
Columbia, MO 65211
Tel: [314] 882-6511
Degree: MD
’74-’75 fellowship in anatomy

Residency: ’77-’80 University of California at San Francisco
Family Practice Residency Program
1001 Potrero Ave.
San Francisco, CA 941110
Completed accredited family medicine residency program
Tel: [415] 206-8200
Contact: Peter Sommers, MD [retired]

Practice sites: ’80-’95 Scenic Faculty Medical Group, Inc., shareholder
Stanislaus Medical Center
Modesto Family Practice Residency Program
830 Scenic Drive
Modesto, CA 95350
Tel: [209] 558-7248
Contact: John Payne, MD [retired]

’96-’97 Chestnut Family Medicine
904 E. Chestnut Ave.
Bellingham, WA 98225
Tel: [360] 671-4400
Contact: Phil Andress, DO [retired]

Curriculum vitae
Curriculum vitae

'97-'11 Walk-In Health Center
4029 Northwest Ave.
Bellingham, WA 98225
Tel: [360] 734-2330
Contact: John Knudsen, MD

Staff privileges:

Stanislaus Medical Center
900 Scenic Ave.
Modesto, CA 95352
Tel: [209] 558-7200
Contact: Peter Broderick, MD

Doctors Medical Center
Florida and Orangeburg
Modesto, CA 95350
Tel: [209] 522-1027
Contact: John Pfeffer, MD

Modesto City Hospital
later subsumed into Doctors Medical Center

Memorial Medical Center
1700 Coffee Rd.
Modesto, CA 95355
Tel: [209] 526-4500
Contact: Jay Wani, MD

St. Joseph Hospital
2901 Squalicum Parkway
Bellingham, WA 98225
Tel: [360] 734-5400
Contact: Ione Adams, MD

Research: 1974

- research assistant in project involving injection of calf thymus into NZW/NZW mice, eliciting anti-ENA antibodies as a model of SLE
- research assistant in study evaluating differential hyperglycemic responses to barbiturate and halothane anesthesia in rats
- under auspices of Amnesty International, interview and examination of Central and South American refugee victims of political torture

'86-'95 principal investigator with Burroughs-Welcome, Syntex and other pharmaceutical companies, facilitating access to and use of drugs including zidovudine, ganciclovir, trimetrexate, interferon-alpha, pentamidine, spiramycin, fluconazole and didanosine – ten agents in all – in an HIV clinic population

Academic appointments: '80-'95 assistant, then associate clinical professor at the University of California at Davis while full-time faculty in the affiliated Modesto family medicine residency program

'82-'88 clinical instructor in Division of Family, Community and Medicine
Curriculum vitae

Preventive Medicine at Stanford, while serving as preceptor of PA students, volunteer faculty

Honors: 1983 commencement speaker, Stanford physicians assistant program
'83-'85 chair, newly established Department of Family Practice, Stanislaus Medical Center
'83-'90 chair, Infection Control Committee, Stanislaus Medical Center
'83-'95 founder and director, Hepatitis-HIV clinics, Stanislaus Medical Center
'86-'88 medical director, Stanislaus Community AIDS Project
'86-'87 medical staff president, Stanislaus medical Center
'88-'90 recipient of grant support from Area Health Education Center for HIV education of health care workers
'94-'95 member, Board of Directors, Visiting Nurse Association
second term as chair, Department of Family Practice, Stanislaus Medical Center, until departure from California
'08 publication of article entitled Side by Side in Home Power Magazine

Experiences: 1972 two months working in a Catholic mission in Guatemala, several later trips to Honduras, El Salvador, Costa Rica
'68-'70 Stanford tennis team, freshman team letter
'74-'78 marathons completed in Missouri, Oregon, Alaska, California
'66-'86 canoeing, kayaking, backpacking in Alaska, Florida, Minnesota, Wisconsin, California, Canada
'80-'91 energy efficient structure design, with owner-builder addition of three rooms to primary residence
'92-'94 completion of off-grid energy efficient home in Napa County
'96-now raising goats and chickens and an indigenous retail/wholesale tree farm
'99-'00 design and construction of combination art studio and garage
'06-'07 design and construction of shop with grid-intertie photovoltaic system
'08-'09 design and construction of barn with microturbine for power system
'09-now operation of bed and breakfast in our home

Community: 1975 six weeks elective medical student rotation in United Farm

revised February 2014
Curriculum vitae

Workers Union clinic in Delano, California

'78-'82 antinuclear organizing, active in both the Abalone Alliance and Physicians for Social Responsibility, giving lectures in San Francisco and the Central Valley of California

invited lecturer on attached solar greenhouses at Sunrise Energy Center of Modesto Junior College

'84-'87 workshop speaker on conscientious investment at an interdenominational camp

'87-'89 grand rounds presentations at Memorial Hospital-North, Emmanuel Hospital, Merced Community Hospital, Stanislaus Medical Center

'10-now multiple school and community and university talks concerning peak oil/energy, climate and other topics

Licensure:

Social Security 498-58-5854

'77-'00 California medical licensure G-037010

'91-'16 Washington medical licensure 28177

DEA registration BL7110973

UPIN A46913

Medicaid provider number 8186231


National Board of Medical Examiners 174270

ACLS recertifications: 1/99, 3/01, 6/03

Insurance:

'80-'95 Truck Insurance Exchange 99TA54973

4680 Wilshire Ave.
Los Angeles, CA 90051

'96-'11 Physicians Insurance CM1-002201-01

1730 Minor Ave., Ste. 1800
Seattle, WA 98101-1499

Professional:

Diplomate of National Board of Medical Examiners [inactive]

Fellow of the American Academy of Family Practice

Stanislaus Medical Society [inactive]

Whatcom Medical Society [inactive]

Post-retirement classes 2010 geology 101 WWU

revised February 2014
Curriculum vitae

2011 macroeconomics  WWU
2011 hominid evolution/
    primatology  WWU
2012 entomology  WWU
2013 microeconomics  WWU
2013 climatology  University of Chicago

Post-retirement teaching  2014 seminar on energy systems + climate change for Alliance for
    Lifelong Learning at WWU

revised February 2014
NaDean Hanson

From: noreply@civicplus.com
Sent: Monday, January 08, 2018 9:21 AM
To: Ben Glassett; Jill Nixon; Suzanne Mildner; Kristi Felbinger; Dana Brown-Davis; Executive; NaDean Hanson
Subject: Online Form Submittal: Board and Commission Application

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**Board and Commission Application**

**Step 1**

**Application for Appointment to Whatcom County Boards and Commissions**

**Public Statement**

*THIS IS A PUBLIC DOCUMENT:* As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

---

**First Name** Jocelyn
**Last Name** Leroux
**Date** 1/8/2018
**Street Address** 2804 McLvod Road
**City** Bellingham
**Zip** 98225

Do you live in & are you registered to vote in Whatcom County? **Yes**

Do you have a different mailing address? **Field not completed.**

**Primary Telephone** 9707595862
**Secondary Telephone** **Field not completed.**

**Email Address** jocelynleroux@gmail.com

**Step 2**
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 2

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions: Field not completed.

9. Please describe your occupation (or former occupation if retired), qualifications, For the past year and a half I have been working in various capacities for The Mountain Pact, an environmental advocacy non-profit. The Mountain Pact works with local elected officials and chambers of commerce in rural mountain communities.
throughout the Intermountain West. We work to inform and enhance the voices of these communities in the federal climate, conservation, and public lands policy arena. My work with The Mountain Pact has included communications and outreach, as well as town recruitment and hiring. Working with The Mountain Pact has given me a developed understanding of the federal climate change conversation, and I would like to be able to apply what I have learned by working within my community to address this growing problem. Additionally, I am currently a candidate to receive my M.A. in Environmental Studies with a focus on Environmental and Water Policy from Western Washington University. Through this program I have been able to focus on the human factors related to climate change, conservation, and energy policies. Prior to beginning my masters candidacy at WWU I received training and education in ecological and biological field work. This background along with my background in environmental and climate change policies combined with my current focus at WWU provides me with a unique perspective with which to approach the duties of this advisory committee.

I am interested in serving on the Climate Impact Advisory Committee for a variety of reasons. It is important to address the need for preparation and mitigation of the prevention and adaptation to climate change impacts. Doing so at the local level is one of the best ways to address climate change impacts and I would like to be involved with Whatcom County’s efforts to do this. Having recently moved to Whatcom County I have the desire to become more involved with this community, and to help the county achieve the goals laid out by the Climate Action Plan. As discussed in my answer to the previous question, I have a unique background that would allow me to provide useful insight into how Whatcom County can best address the impacts of climate change. By working together at the local level we can accomplish a lot, and build solid momentum in a positive direction. I would like to be a part of this momentum.

References (please include daytime telephone number):

Diana Madson-(916)288-7580 Maddie Rehn-(970)389-5749

Signature of applicant: Jocelyn Leroux

Place Signed / Submitted: Bellingham, Washington
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name Laura
Last Name McKinney
Date 12/27/2017
Street Address 8890 Merganser Ct
City Blaine
Zip 98230
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 3605437920
Secondary Telephone 3602018595
Email Address laura.mckinney@alcoa.com

Step 2
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Board or Committee</td>
<td>Climate Impact Advisory Committee</td>
</tr>
<tr>
<td>Climate Impact Advisory Committee</td>
<td>No</td>
</tr>
<tr>
<td>2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Which Council district do you live in?</td>
<td>District 5</td>
</tr>
<tr>
<td>4. Are you a US citizen?</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Are you registered to vote in Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?</td>
<td>No</td>
</tr>
<tr>
<td>7. Have you ever been a member of this Board/Commission?</td>
<td>No</td>
</tr>
<tr>
<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>No</td>
</tr>
</tbody>
</table>

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions:

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. Please describe your occupation (or former occupation if retired), qualifications,</td>
<td>My current employment is with Alcoa Corporation as the NW Government Affairs and Public Relations Director. I serve on a facility leadership team at Intalco charged with maintaining environmental compliance. In addition to my employment, I am</td>
</tr>
</tbody>
</table>
professional and/or 
community activities, and 
education

I am an elected member of the Blaine School Board, I serve on the
Board of the Whatcom Business Alliance (WBA), and I Co-
Chair the Youth Engagement Initiative of the WBA.

10. Please describe why 
you’re interested in 
serving on this board or 
commission

I am interested in serving on this Commission in order to
represent the interests of industry working as conscientious
stewards of the environment as well as providing hundreds of
good family wage jobs in Whatcom County. In addition to my
current employment, I am a resident of Whatcom County with
great interest in protecting the beautiful area of the country that
we live in and are charged to take care of.

References (please 
include daytime 
telephone number):

Ron Jorgensen, Intalco Plant Manager (360) 384 7584, Dr.
Ron Spanjer, Blaine Superintendent, (360) 332-5881

Signature of applicant: Laura L. McKinney

Place Signed / Submitted Ferndale, WA

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Board and Commission Application

Step 1

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First Name Sean
Last Name Mertens
Date 12/29/2017
Street Address 3900 Deemer Rd
City Bellingham
Zip 98226
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone 2062510700
Secondary Telephone Field not completed.
Email Address seanmurphymertens@gmail.com

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?: Yes

3. Which Council district do you live in?: District 2

4. Are you a US citizen?: Yes

5. Are you registered to vote in Whatcom County?: Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?: No

7. Have you ever been a member of this Board/Commission?: No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?: No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions:

Mertens Resume 2.pdf

9. Please describe your occupation (or former occupation if retired), qualifications, I just finished up a stint as a seasonal Storm Water Maintenance Worker for the City of Bellingham. The bulk of my experience in regards to climate science and policy comes from my time spent studying at Western Washington.
professional and/or community activities, and education

University. There I studied in depth policies including the economic mechanisms behind cap and trade and carbon taxes. I was also given a chance to look at city design, climate action plans, and the history of U.S environmental policy. I collaborated with UC Davis, PSE, and several other institutions to design an energy investment plan for Western. I have extensive research, economics, and policy experience. Outside of school I volunteer for trail restoration and spent the last 6 months working on Bellingham’s storm water management facilities which gave me a good look at the hands on mitigation of climate change we are already participating in. In my free time I read up on the latest environmental/sustainability news. I keep updated with the findings of the Intergovernmental Panel on Climate Change and have looked over the climate action plans of several cities including Bellingham. I have also reached out to local businesses to assist in reducing their footprint as part of my overall belief that we are all responsible for maintaining sustainable lifestyles. 2-3 times a month I write articles about our community for Whatcom Talk.

10. Please describe why you’re interested in serving on this board or commission

I am interested in serving on the Climate Impact Advisory Committee because I love my community and can think of no better way to service it than offer up my expertise on climate science and policy to help improve the goals and progress of the county. If anything, I am looking for an excuse to keep researching new methods of mitigation and management, so that I can pass this information onto those that can use it to influence positive change. I want to see the best for my planet, and the best for my community, and I think lending my mind to this committee is a great way to bring about that change.

References (please include daytime telephone number):

Tim McLaughlin: Armark, (360) 650-6851 \ Scott Brown-Davis: City of Bellingham, 360-778-7727

Signature of applicant: Sean Mertens

Place Signed / Submitted Bellingham, WA

Email not displaying correctly? View it in your browser.
Sean Mertens  
3900 Deemer Rd 209 Bellingham, WA 98226 | (C) 206-251-0700 | seanmurphymertens@gmail.com

Professional Summary:  
I am a highly motivated and passionate business orientated environmentalist looking to combine and utilize my love of sustainability with my acquired knowledge and experience. My work and volunteer experience has taught me the value of implementing sustainable practices in all levels of society while utilizing traditional business practices. I’ve always taken the steps to pursue what I’ve thought to be right and love nothing more than to be challenged and to be trusted with the responsibility to lead, direct, and manage.

Education:

B.A Business and Sustainability from Western Washington University; March 2016  
Projects: Clean Energy Investment Strategy for Western; Sustainable Consulting for Aslan Breweries; Efficiency Consulting with MicroK12, Marketing and Design for ProjectRENT.

AA in Integrated Studies from Cascadia Community College; June 2013

Experience

Warehouse/Delivery; MicroK12, Lynnwood, WA  
Summers of 2014-2015
• Maintained clean and efficient loading bay  
• Drove a 24ft box truck throughout Western Washington  
• Loading shipments and assured each customers received exactly what they ordered  
• Met and interacted with a variety of receiving teams

Apparel Clerk: Fred Meyer, Bellingham, WA  
Aug 2016-June 2016
• Quickly adapted to a diverse work culture  
• Perform duties beyond standards expected of new hire  
• Constantly volunteer to tackle tasks/problems outside of my station

Storm water Management: City of Bellingham, Bellingham, WA  
June 2017
• Work with local stakeholders to preserve quality of storm runoff  
• Manage various city wide projects  
• Cooperate with a multi-departmental team

Additional Information:
• I performed a full footprint analysis and B-Corp Assessment, for Aslan Brewing LLC.  
• Worked with Puget Sound Energy, UW and U of C, and other stakeholders to design a complete renewable energy investment strategy for WWU  
• Adept with full Microsoft Suite and experience with Adobe CC  
• Working knowledge of several management techniques including Toyota Kata and Lean  
• Knowledge of accounting systems, QuickBooks, and business financial management and reporting
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name  Tim
Last Name     Miller
Date          1/3/2018
Street Address  1525 Lakeway Place
City          Bellingham
Zip           98229

Do you live in & are you registered to vote in Whatcom County?  Yes

Do you have a different mailing address?  Field not completed.

Primary Telephone  3602011168
Secondary Telephone  3603802119 x1002

Email Address  TMiller@FerndaleGS.com

Step 2
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<td>3. Which Council district do you live in?</td>
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<tr>
<td>4. Are you a US citizen?</td>
<td>Yes</td>
</tr>
<tr>
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<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?</td>
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<td>7. Have you ever been a member of this Board/Commission?</td>
<td>No</td>
</tr>
<tr>
<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>No</td>
</tr>
</tbody>
</table>

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions: Field not completed.

9. Please describe your occupation (or former occupation if retired), qualifications, I have over twenty-five years of experience in the power generation sector including engineering and facility management. My current occupation is Plant Manager of the Ferndale Generating Station in western Whatcom County. |
professional and/or community activities, and education

NAES Corporation (my employer) and PSE (plant owner) both operate diverse portfolios of power generation facilities including wind, solar, hydro-electric and thermal plants as well as electrical grid infrastructure, so I have a broad perspective and understanding of these technologies and their capabilities. Additionally I have served on several advisory committees for Bellingham Technical College helping to guide the respective educational programs going on 15 years. I have also been an active Board member of the Ferndale Chamber of Commerce for nearly 10 years.

10. Please describe why you’re interested in serving on this board or commission

I hope to support the Whatcom County Council and Executive in developing a practical approach to mitigating climate change.

References (please include daytime telephone number):

Satpal Sidhu

Signature of applicant: Tim Miller

Place Signed / Submitted: Personal residence in Whatcom County

Email not displaying correctly? View it in your browser.
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
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First Name Rachael

Last Name Mueller

Date 1/3/2018

Street Address 1338 Puget St. #1

City Bellingham

Zip 98229

Do you live in & are you registered to vote in Whatcom County? Yes

Do you have a different mailing address? Field not completed.

Primary Telephone 5412317204

Secondary Telephone Field not completed.

Email Address rachaeldmueller@gmail.com

Step 2
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
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</thead>
<tbody>
<tr>
<td>1. Name of Board or Committee</td>
<td>Climate Impact Advisory Committee</td>
</tr>
<tr>
<td>Climate Impact Advisory Committee</td>
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<td>3. Which Council district do you live in?</td>
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<tr>
<td>4. Are you a US citizen?</td>
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<td>No</td>
</tr>
</tbody>
</table>

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former occupation if retired), qualifications, I am a Physical Oceanographer who investigates the dynamics of how ocean heat is melting the Antarctic Ice Sheet. This research is important because the poleward transport of ocean heat has become both the primary driver of Antarctic mass loss
I like helping communities grow stronger, together, by engaging in meaningful work and creating pathways that connect people to accurate information that can help foster right action. My experience working in four different scientific fields has helped me establish worldwide connections across multiple disciplines that I have utilized toward better understanding the nuances of climate change when they extend beyond my expertise. I'm keen to utilize this experience and these connections toward helping empower Bellingham toward growing its available resources, prosperity, community, innovation and leadership. We have all the pieces within our community to create positive impact, and I want to do my part in helping us utilize our strengths toward overcoming the adversities of climate change.

Tyler Byrd: Byrd@redrokk.com; (360) 920-2462. Dan Mayhew: Mayhew.Dan@gmail.com; (541) 543-7283. Laurence (Laurie) Padman: Padman@esr.org; (541) 745-8196. Rachael Mueller

Bellingham, WA
Rachael Davida Mueller
(541) 231-7204
RachaelDMueller@gmail.com
RachaelMueller.com

EDUCATION
Ph.D.  Oregon State University
       Physical Oceanography
       NASA Earth and Space Science Fellow (2007-2010)
       Corvallis, OR 2007 – 2014
M.S.  Oregon State University
      Physical Oceanography
      Corvallis, OR 2003 – 2006
B.A.  University of Colorado
      Mathematics
      Boulder, CO 1996 – 2000

SKILLS
• Effective conflict mediation with ability to utilize active listening and Nonviolent Communication (NVC)
• Community-oriented thinker
• Strong ability to write concise, persuasive, clear, and targeted arguments for proposals, reports, journal articles, and science advocacy.
• Engaging speaker
• Skillful problem solver
• Successful grant proposal writer
• Numerical Modeler
• Data Analyzer in space and time
• Graphic designer & scientific illustrator
• Experienced researcher in observational oceanography, numerical modeling, paleoclimatology, geophysics (river discharge), and atmospheric chemistry.

PRESENTATION AWARDS
Invited speaker. West Antarctic Ice Sheet Workshop. Widbey Is., WA. 2017
NASA MPOWIR Speaker Award. Awarded travel, accommodation and opportunity to give a presentation at the NASA Goddard Space Flight Center, Washington, DC. 2011
Best Student Oral Presentation. West Antarctic Ice Sheet Initiative Workshop. Raystown, PA 2010
Invited speaker. American Geophysical Union Fall Meeting. San Francisco, CA. 2008

FUNDING AWARDS
NASA ROSES proposal. Co-authored a successfully funded grant in support of a post-doctoral position with PIs Dr. James Cochran and Dr. Robin Bell of Lamont Doherty Earth Observatory, Columbia 2011
University.

**NASA Earth and Space Science Fellowship.** Awarded for “The mass balance of Antarctic Peninsula ice shelves, evaluated from radar and laser satellite altimetry and coupled ice/ocean models” at Oregon State University.

**Oregon State University External Fellowship Tuition Scholarship.** 2007 – 2010

**Oregon State University Graduate School Fellowship** 2007 – 2010

**Supplemental Oregon Laurels Graduate Scholarship.** Merit-based tuition remission for the Spring quarter.

**PEER-REVIEWED PUBLICATIONS (NÉE HILBERMAN)**


**OTHER PUBLICATIONS**


**CONFERENCE PRESENTATIONS**

**Mueller, R.D.,** T. Hattermann, S. Howard, K. Naughten, L. Padman. 2017 On the evolution of the Filchner-Ronne Ice Shelf cavity in the Weddell Sea, Antarctica. West Antarctic Ice Sheet Workshop, Widbey Island, WA. **Oral presentation.**


PROFESSIONAL EXPERIENCE

Postdoctoral Researcher, Physical Oceanography, Earth & Space Research, Bellingham, WA. Sept. 2016 – present

Naturalist, Marine Biology, Maya’s Legacy Whale and Wildlife Tours, San Juan Island, WA. Summer – 2016

Core Faculty, Climate Studies and Writing, Explorations Academy High School, Bellingham, WA. Supervised by Daniel Kirkpatrick. Fall 2015

Owner and manager, The Corvallis Cottage, Corvallis, OR. Self-employed. 2011–2015

Doctoral Candidate, Physical Oceanography, Oregon State University, Corvallis, OR. Supervised by Drs. Laurence Padman and Eric Skyllingstad. 2007–2014

Research Assistant, Physical Oceanography, Earth & Space Research, Corvallis, OR. Supervised by Dr. Laurence Padman. 2011–2013

Graduate Research Assistant (funded through NASA fellowship), Physical Oceanography, Oregon State University, Corvallis, OR. Supervised by Drs. Laurence Padman and Dudley Chelton. 2008–2011

Research Assistant, Physical Oceanography, Earth & Space Research, Corvallis, OR. Supervised by Dr. Laurence Padman. 2006–2008

Graduate Research Assistant, Physical Oceanography, Oregon State University, Corvallis, OR. Supervised by Dr. William Smyth. 2003–2006


Research Assistant, Hydrology, Institute for Arctic and Alpine Research, Boulder, CO. Supervised by Dr. James Syvitski. 2001–2002

Research Assistant, Quaternary Paleoclimatology, Institute for Arctic and Alpine Research, Boulder, CO. Supervised by Drs. Anne Jennings and John Andrews. 1998–2000

RESEARCH CRUISE EXPERIENCE

R/V Nathaniel B. Palmer, Amundsen Sea, Antarctica. 2007
Research PI: Stanley Jacobs
R/V Thomas G. Thompson, Monterey Bay, CA. 2007
Research PI: Dr. Tim Cowles
Website: http://argon.coas.oregonstate.edu/biooptics/projects/loco/index.htm

Marion Dufresne. Greenland-Iceland-Norwegian Sea (Ifremer IMAGES V) 1999
Research PIs: Dr. Anne Jennings and Dr. David Anderson.

MEMBERSHIPS AND AFFILIATIONS

Aqvaplan-Niva 2016 – present
Earth & Space Research 2006 – present
Association for Polar Early Career Scientists 2007 – present
Mentoring Physical Oceanography Women to Increase Retention 2009 – present
American Association for the Advancement of Science 2014 – 2012
American Geophysical Union 2005 – present
SERVICES

General

Whatcom Hills Waldorf School, 2016-present. Parent Council Representative. Formerly Secretary and Class Representative. Currently Class Representative.

B’HAMster’s Earth Science HUB, 2017-present. Create and coordinate science lectures for the Bellingham community and anyone who wants to participate remotely via a Facebook live stream.
https://www.meetup.com/BHAMstersEarthScienceHUB/

Scientific Community

Association for Polar Early Career Scientists. 2007. Physical Oceanography sub-discipline representative.

Student Advisory Committee (Chair). 2004-2005.
Led a group of eight students to enhance student’s academic and professional experience by working with graduate students, professors, our dean, and staff.
• Organized a speaker series to host a diverse group of scientists (including Dr. Marcia McNutt, President elect at NAS and editor-in-chief of Science magazine) and OSU alumni to discuss careers paths in science and to motivate discussions.
• Created a quarterly newsletter to distribute information from the seminar series, for those unable to attend, as well as to communicate the progress of objectives set by the advisory committee.
• Co-organized weekly events for students aimed at increasing knowledge of research activities amongst students in an informal, social setting.
Board and Commission Application

Step 1

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First Name Dana

Last Name Oster

Date 1/8/2018

Street Address 239 N Garden St

City Bellingham

Zip 98225

Do you live in & are you registered to vote in Whatcom County? Yes

Do you have a different mailing address? Field not completed.

Primary Telephone 3605827807

Secondary Telephone Field not completed.

Email Address dana.oster4@gmail.com

Step 2
1. Name of Board or Committee
   Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?
   Yes

3. Which Council district do you live in?
   District 1

4. Are you a US citizen?
   Yes

5. Are you registered to vote in Whatcom County?
   Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?
   No

7. Have you ever been a member of this Board/Commission?
   No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?
   No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

DanaOster CV.pdf

9. Please describe your occupation (or former occupation if retired), qualifications,
   I was previously working as an environmental consultant in Vancouver BC as a coastal geomorphologist. Most of my work involved running technical projects collecting data for port, oil and gas, and local infrastructure clients. My technical
experience is focused on nearshore oceanography, coastal geomorphology, and water quality. I have experience as a project manager, and field supervisor organizing field data collection programs, and data processing and reporting. I have a masters of science in environmental science with a focus on coastal geoscience. My undergraduate and graduate school research focused on sea level rise and coastal resilience following severe storm events.

10. Please describe why you’re interested in serving on this board or commission

I recently moved to the Bellingham area and am looking to be involved in the local community. My interests are around coastal resource management, aquaculture and shellfish restoration, and climate change adaptation. My interests are focused on how to preserve the natural coastal environment and balance the local infrastructure and economic needs of the community when planning for climate change impacts and pragmatic methods to mitigate change. I think my technical background in coastal geomorphology and passion for policy and resource management will lend well to the committee. I am also a new member of the Whatcom community and am hoping to put down roots and continue to be involved in the community as I establish my career.

References (please include daytime telephone number):

Phil Osborne, former supervisor at Golder Associates, 604-354-7200, Phil_Osborne@golder.com
Bill Dewey, Taylor Shellfish, 360-790-2330, billd@taylorshellfish.com

Signature of applicant: Dana Oster

Place Signed / Submitted: Bellingham, WA
Personal Profile

I am a coastal geomorphologist (M.Sc.) with over 5 years practical experience in environmental consulting in Vancouver, BC. I have been involved in a wide range of projects supporting data collection, analysis, and engineering design for port construction, infrastructure projects, and local projects working with aquaculture, coastal restoration, and climate impact assessments. My work experience has been primarily focused on coastal geomorphology, water quality, waste water treatment, coastal engineering, and nearshore oceanography, with additional work in fluvial, lacustrine, and estuarine environments. I have extensive experience with project design, management, logistics/coordination, and data analysis and reporting. I am interested in pursuing a career that integrates research with community engagement, resource management, restoration, and conservation.

Professional Career

Golder Associates Ltd. May 2012 - October 2017
Coastal Geoscience Specialist Vancouver, BC Canada
Coastal geomorphologist and member of the coastal and surface water group in Golder. Responsibilities include project management, data collection, data analysis, reporting, 2D modelling, budgeting, proposal development, permit applications, coordination with local interest groups, first nations communities, and government agencies, management of coastal and oceanographic instrumentation, and mentorship of summer students. Project experience in coastal geomorphology, nearshore oceanography, water quality, coastal engineering, fluvial geomorphology, waste water treatment outfalls, and geotechnical. Primary client sectors include oil and gas, mining, infrastructure and sustainability for government agencies, aquaculture, and development.

University of Virginia September 2009 - May 2012
Research Assistant and Teaching Assistant Charlottesville, Virginia
Instructed undergraduate students on laboratory and field techniques in introductory geology laboratory. Conducted original research involving project design, data collection, and analysis at the Virginia Coast Reserve Long-Term Ecological Reserve. Master’s thesis work employed the use of wavelet analysis of LiDAR data to examine the occurrence and coincidence of hurricane overwash events with large scale coastal morphology and vegetation reestablishment.

Bates College May 2008 - June 2009
Hoffman Research Grant Recipient Lewiston, Maine
Conducted original research and data collection of the barrier beach system of a small pocket beach along the Maine coast as part of an honors thesis. The work included an intensive mapping and GIS program to monitor morphologic change, and project potential impacts of sea level rise to the region. The work included a community collaboration and outreach component. The Seawall Beach and Morse Mountain Conservation Area works alongside the Small Point Community to document ongoing change along the coastline and to hold community information meetings. Part of the research grant was to help establish a community archive that can continue to grow with future student research and community participation (https://sites.google.com/a/bates.edu/seawall-project/home).

Education

2009-2012 University of Virginia Masters of Science in Environmental Science
2005-2009 Bates College Bachelors of Science in Geology
Skills

• Excellent technical knowledge of Microsoft Office, Adobe InDesign and Illustrator, Arc GIS, MATLAB, and Blue Kenue.

• Excellent interpersonal skills and ability to work with a team to complete projects. Good public speaking and presentation skills.

• Field skills with RTK GPS systems, water quality instrumentation, wave and current instrumentation, tide gauges, real time monitoring stations, and oblique aerial photography systems.

Certificates

Basic Offshore Safety Induction and Emergency Training (BOSIET) • Marine Basic First Aid • H2S Awareness • Workplace Hazardous Materials Information System (WHIMS) • Managing Workplace Injury • Small Non-Pleasure Vessel Basic Safety (MED A3)

Publications and Presentations


Affiliations

Joint Health and Safety Committee- Worker Chair • Coastal Connection Vancouver • Skipper Otto’s Community Supported Fishery • APEG BC • Women in Aquaculture

Interests

Hiking • Running • Snowshoeing • Gardening • Cooking • Aquaculture • Hobby Farming
Select Project Experience

WATER QUALITY MONITORING
Geoduck Harvest Generated Turbidity Plume Monitoring for Taylor Shellfish; Multiple Sites, Puget Sound
I was involved on multiple projects working for Taylor Shellfish to monitor and assess turbidity plumes associated with geoduck harvests as part of their permitting process. We worked to design customized monitoring programs to measure ambient water conditions and harvest plume conditions at numerous sites. The work also included characterizing the hydrodynamics of the sites using field data collection and hydrodynamic modeling. My role was to coordinate directly with Taylor Shellfish staff for times and sites to conduct monitoring, and create monitoring systems, such as barge mounted oblique aerial photography systems to capture plume generation and progression during geoduck harvests.

Annacis Island Waste Water Treatment Outfall Diffuser; Delta, British Columbia
I was the project manager for a salinity and water density monitoring program in the Fraser River near Annacis Island. The work was conducted for Metro Vancouver to support designs for a new waste water treatment outfall. This site posed a unique challenge for meeting initial dilution zone requirements. The challenge is during low river flows in the winter, the salt wedge would progress up to the site. The presence of the salt wedge created a density gradient that would reduce vertical mixing of the outfall with the ambient water. I designed a data collection program to track and monitor the salt wedge presence at the site (or so we loving termed it, salt wedge hunting). My role included coordinating with Port of Vancouver staff to obtain permits to conduct sampling and install a temporary seabed frame at the project site. Additionally I designed the data collection program to help meet regulatory requirements to capture the worst case salt wedge conditions. The data collection included frequent conductivity, temperature, and depth (CTD) profiling at select locations, and installation of continuously monitoring salinity, temperature, turbidity, and current meters. I led the onsite data collection efforts, data analysis, reporting, and budget management.

Environment Canada Waste Water Outfall Dispersion Modelling; Multiple Sites, British Columbia
I assisted with data collection, review and support for outfall dispersion modelling for first nation’s communities done on behalf Environment Canada. The project involved building an understanding of characteristics of wastewater management systems and to characterize most likely failure scenarios using a dispersion modeling approach. My role was to provide background metocean and environmental conditions as input to dispersion modeling calibration, verification, and production simulations.

D-Island Water Quality Monitoring System, Agip KCO; North Caspian Sea, Kazakhstan
Early in my career at Golder I took on a lead role in developing and maintaining an experimental near-real time air and water quality monitoring system installed on D-Island in the North Caspian Sea, Kazakhstan. The system was designed to meet regulation requirements for the offshore drilling and production site. I was responsible for system design, instrument selection, monitoring, maintenance, and operation of a near-real time water quality monitoring station. Monitoring included preparation of monthly reports of verified data, and ongoing data quality control. I provided on-site technical support for recovery, maintenance and field calibration of the station. I assisted with the certification and inspection of instrumentation and water quality station with the Kazakhstan governing agency. As I became more experienced I took on a role of providing onsite training and troubleshooting to local Kazakhstan office employees. Water quality parameters measured included: salinity, temperature, depth, turbidity, chlorophyll fluorescence, pH, oxidation-reduction potential, dissolved oxygen, hydrocarbons, and particulate size and concentration.
COASTAL MONITORING, RESTORATION, ENGINEERING

Fish Habitat Remediation and Design; Multiple Projects in British Columbia
I was involved in multiple projects in British Columbia to design wetland and fish habitat as part of remediation work for projects required to build habitat compensation. The scope of work included assessment of existing data, summary of design criteria, sea level rise assessment, 2D modelling of overwash and coastal erosion, and design and construction planning for complex habitat sites for salt marsh establishment and forage fish habitat. My work was collaborative with ecologists and biologists to create a habitat design of appropriate location and elevation to allow for establishment of local species, while maintaining elevations and grain sizes appropriate for the hydrodynamic conditions at site to ensure a design life of 25 years.

Rich Passage Wake Impact Study, Fast Ferries Program, Kitsap Transit; Puget Sound, Washington
The Rich Passage Wake Impact Study is a multiyear program that Golder has been involved in to support the study and monitoring of high speed ferry wake effects along shoreline properties and to communicate with communities and stakeholders. My role included beach photograph documentation to monitor beach sediment elevation relative to shore protections and bulkheads, gravel tracer monitoring, wake wave measurements, noise monitoring, and attending community information sessions. The data collection contributed to monitoring shoreline erosion during fast ferry trial runs.

University of British Columbia-Point Grey Cliff Erosion Study; Vancouver, British Columbia
The Point Grey cliff erosion study was undertaken on behalf of the University of British Columbia to provide a review of existing conditions of the cliff slope, and beach, potential implications of sea level rise, and to make recommendations toward mitigating the erosion using sustainable practices. I assisted with the study objectives which included desk based data review of geotechnical conditions, wave and wind climate, a water level and sea level rise analysis, and the design recommendations.

Small Craft Harbour- Effects Assessment of Breakwater on Wave Climate; British Columbia Coast
I was involved in a desktop evaluation of a timber breakwater for a small craft harbour. The work involved an assessment of functionality and effectiveness of the structure. The end result was to advise the local government on how to proceed with the breakwater and to create a flyer to inform the community of the recommendation. My role involved gathering and reviewing available literature, site specific data, and historical aerial photographs. The assessment included evaluation of nearshore wave conditions using fetch analysis, wave diffraction, attenuation estimates, summarizing recommendations, and flyer design.

Shoreline Assessment and Classification for Proposed Marine Offloading Facility; Prince Rupert, British Columbia
I conducted a shoreline assessment of a proposed marine offload facility site. The shoreline assessment consisted of grain size assessment and characterization of the intertidal foreshore. Some of the shoreline consisted of bedrock cliffs and inaccessible sites, so boat based monitoring methods and photogrammetric survey was used to capture the shoreline. The results of the photogrammetric survey was to characterize the slope stability and grain size of the project site, as well as classifying the shoreline.
Strait of Georgia Current Circulation Study at a Deep Water Waste Water Outfall; Vancouver, British Columbia

I was the project manager for a data collection program for Metro Vancouver to measure current circulation in the Strait of Georgia near a deep water waste water outfall in approximately 80 to 100 m water depth. My role included coordination with Canadian Coast Guard to issue notices of the temporary tautline mooring installation and data collection program. I led the field data collection, analysis, and reporting.

Multiple Liquefied Natural Gas (LNG) Terminal Investigations; Multiple Sites, Canada

I worked along the British Columbia coast (Howe Sound, Prince Rupert, Kitimat), and in Nova Scotia collecting meteorologic and oceanographic data for port and terminal design for proposed LNG facilities. Much of the work consisted of coordinating with provincial and federal government agencies to obtain permits to deploy monitoring stations, such as seabed mounted frames, tautline moorings, surface buoys, and meteorologic stations to measure wind, waves, currents, general water properties (temperature, salinity, turbidity, pH, dissolved oxygen, and chlorophyll-a), and surface sediment sampling. My role was through all phases of the program. I was involved in permit application, field logistics and coordination, first nations technical training, instrument calibration and procurement, safety planning, field collection, data processing, analysis and reporting, and project management and budgeting. Examples of some of the instrumentation I used are: RTK GPS, Acoustic Doppler Current Profiler (ADCP), Acoustic Wave and Current Profiler (AWAC), real time TRIAXYS wave and current buoy systems with satellite telemetry, water quality sensors (e.g. YSIs, RBRs, Seabird Electronics, JFE Advantech turbidity monitors), and ponar sediment samplers.

Lake Tanganyika South Block Physical and Biological Baseline Studies, Beach Petroleum; Tanzania

I worked as a field engineer for the physical baseline study data collection program to provide measurements of surface waves, currents throughout the water column, wind speed and direction, and water properties including conductivity, temperature, depth, turbidity, chlorophyll fluorescence, and photo synthetically active radiation within the Lake Tanganyika south block oil and gas exploration lease for Beach Petroleum. The program required the procurement, deployment, servicing, and recovery of two surface riding wave buoys and two multi-parameter tautline moorings in water depths of approximately 300 and 500 meters. I took on an extra role to repair damaged junction boxes for the solar panels that had been tampered with.
Board and Commission Application

Step 1

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First Name Sandy
Last Name Paris
Date 12/22/2017
Street Address 415 Cove Road
City Bellingham
Zip 98229
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? YES
Mailing Address PO Box 30172, Bellingham, WA 98228-2172
Primary Telephone 360-384-8375
Secondary Telephone Field not completed.
Email Address Sandy.Paris@P66.com
Step 2

1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying? Yes

3. Which Council district do you live in? District 3

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions.

Field not completed.

9. Please describe your occupation (or former)

Environmental Air Lead with >25 years experience in air permitting. BS Chemical Engineering from UC Berkeley. Nearly
occupation if retired), qualifications, professional and/or community activities, and education

35 years experience in the petroleum industry. Member of the Northwest Clean Agency (NWCAA) Advisory Council. Member of the Western States Petroleum Association (WSPA) NW Environmental Committee.

10. Please describe why you’re interested in serving on this board or commission

As part of the energy industry for nearly 35 years, I have an interest in a balanced approach to climate concerns, keeping both large and small industry/businesses viable with sound science.

References (please include daytime telephone number):

Mark Buford, Director NWCAA 360-428-1617 ext 207; Jessica Spiegel, Senior Coordinator WSPA 360-352-4512

Signature of applicant: Sandy Paris

Place Signed / Submitted: Ferndale, WA

Email not displaying correctly? View it in your browser.
**NaDean Hanson**

**From:** noreply@civicplus.com  
**Sent:** Monday, January 08, 2018 5:19 PM  
**To:** Ben Glassett; Jill Nixon; Suzanne Mildner; Kristi Felbinger; Dana Brown-Davis; Executive; NaDean Hanson  
**Subject:** Online Form Submittal: Board and Commission Application

# Board and Commission Application

## Step 1

Application for Appointment to Whatcom County Boards and Commissions

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<table>
<thead>
<tr>
<th>First Name</th>
<th>Jenny</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Name</td>
<td>Rae</td>
</tr>
<tr>
<td>Date</td>
<td>1/8/2018</td>
</tr>
<tr>
<td>Street Address</td>
<td>2912 Cottonwood Avenue</td>
</tr>
<tr>
<td>City</td>
<td>Bellingham</td>
</tr>
<tr>
<td>Zip</td>
<td>98225</td>
</tr>
<tr>
<td>Do you live in &amp; are you registered to vote in Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>Do you have a different mailing address?</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>Primary Telephone</td>
<td>3603194045</td>
</tr>
<tr>
<td>Secondary Telephone</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:jenny@chuckanutbuilders.com">jenny@chuckanutbuilders.com</a></td>
</tr>
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<td>Yes</td>
</tr>
<tr>
<td>5. Are you registered to vote in Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?</td>
<td>No</td>
</tr>
<tr>
<td>7. Have you ever been a member of this Board/Commission?</td>
<td>No</td>
</tr>
<tr>
<td>8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?</td>
<td>No</td>
</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td></td>
</tr>
<tr>
<td>9. Please describe your occupation (or former occupation if retired), qualifications,</td>
<td>I currently work as the Communications Director for Chuckanut Builders. Before working for, and helping start, Chuckanut Builders I was a founding member of Wild Whatcom. My inspiration and interest in both of these roles is addressing and</td>
</tr>
</tbody>
</table>
10. Please describe why you’re interested in serving on this board or commission:

Global climate change is an all pervasive issue and failing to address it in a comprehensive manner isn’t an option. Climate change will impact every facet of our lives going forward. The potential to act on a local level, that goes beyond building and renovating energy efficient homes, feels both empowering and like an obvious next step for me professionally and personally. In addition to working at Chuckanut Builders I’m a mother, gardener and backpacker. We chose to raise our boys in Bellingham because of our love of nature and the community. I am committed to playing a role in safeguarding both, serving on this committee would help me do that.

References (please include daytime telephone number):

Forest Chiavario; forest@chuckanutbuilders.com; 360-303-8114
Rose Lathrop; rose@sconnect.org; 360-647-7093

Signature of applicant: Jenny Rae

Place Signed / Submitted 1000 N. State St., Bellingham, WA

Email not displaying correctly? View it in your browser.
From: noreply@civicplus.com  
Sent: Tuesday, December 19, 2017 2:37 PM  
To: Ben Glassett; Jill Nixon; Suzanne Mildner; Kristi Felbinger; Dana Brown-Davis; Executive; NaDean Hanson  
Subject: Online Form Submittal: Board and Commission Application

Board and Commission Application

**Step 1**

Application for Appointment to Whatcom County Boards and Commissions

Public Statement

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<table>
<thead>
<tr>
<th>Field</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name</td>
<td>Alex</td>
</tr>
<tr>
<td>Last Name</td>
<td>Ramel</td>
</tr>
<tr>
<td>Date</td>
<td>8/15/1977</td>
</tr>
<tr>
<td>Street Address</td>
<td>616 n state street APT 1</td>
</tr>
<tr>
<td>City</td>
<td>Bellingham</td>
</tr>
<tr>
<td>Zip</td>
<td>98225</td>
</tr>
<tr>
<td>Do you live in &amp; are you registered to vote in Whatcom County?</td>
<td>Yes</td>
</tr>
<tr>
<td>Do you have a different mailing address?</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>Primary Telephone</td>
<td>13603055079</td>
</tr>
<tr>
<td>Secondary Telephone</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:alexwramel@gmail.com">alexwramel@gmail.com</a></td>
</tr>
</tbody>
</table>

**Step 2**
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
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<tbody>
<tr>
<td>1. Name of Board or Committee</td>
<td>Climate Impact Advisory Committee</td>
</tr>
<tr>
<td>Climate Impact Advisory Committee</td>
<td>Yes</td>
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<td>2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Which Council district do you live in?</td>
<td>District 1</td>
</tr>
<tr>
<td>4. Are you a US citizen?</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Are you registered to vote in Whatcom County?</td>
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<tr>
<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?</td>
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</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>9. Please describe your occupation (or former occupation if retired), qualifications,</td>
<td>I currently work at Stand.earth as a Field Director working on engaging community members in climate and energy issues. I was the lead author of Bellingham’s GHG Inventory and Local Climate Action Plan which was adopted in 2007. I was an</td>
</tr>
</tbody>
</table>
professionally and/or community activities, and education

adviser on the drafting of Whatcom County's 2006 Climate Inventory and Action plan. As a Program Officer at ICLEI -- Local Governments for Sustainability, I helped more than a dozen other communities, including Phoenix and New York, develop greenhouse gas inventories and prepare plans to address climate change at the local level. From 2008 to 2015 I worked as Energy and Policy Director for Sustainable Connections. In that capacity I lead the development of the nation-leading Community Energy Challenge which was a partnership that included several local and regional governments and non-profits and which, to-date, has helped more than 2000 people and 500 businesses in NW Washington implement cost effective energy efficiency strategies.

10. Please describe why you’re interested in serving on this board or commission

I believe that local governments can make a big difference on climate change. I’ve spent a lot of time thinking and learning about this area, so I believe that I have a meaningful opportunity to contribute to this discussion in my community.

References (please include daytime telephone number):
Derek Long, Executive Director at Sustainable Connections.
360-303-7776 Todd Paglia, Executive Director at Stand.earth.
360-415-1500

Signature of applicant: Alex Ramel

Place Signed / Submitted: Bellingham, WA

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Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name  Joyce
Last Name  Segal
Date  1/5/2018
Street Address  3390 Aldergrove Rd.
City  Ferndale
Zip  98248
Do you live in & are you registered to vote in Whatcom County?  Yes
Do you have a different mailing address?  Field not completed.
Primary Telephone  650-430-6243
Secondary Telephone  650-430-6243
Email Address  joyceck10@gmail.com

Step 2
1. Name of Board or Committee

Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?

Yes

3. Which Council district do you live in?

District 5

4. Are you a US citizen?

Yes

5. Are you registered to vote in Whatcom County?

Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?

No

7. Have you ever been a member of this Board/Commission?

No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?

No

9. Please describe your occupation (or former occupation if retired), qualifications,

10. Please describe why you’re interested in serving on this board or commission:
Concerned about the level of renewable energy in PSE service area and the information available on permitting and zoning for Solar and Wind in the county, electric Vehicles and Charging options.

References (please include daytime telephone number):
Kim Cooper, 650-931-7277, Sandra Gottschock - sandraowrites@gmail.com-604-600-9532

Signature of applicant: Joyce K. Segal
Place Signed / Submitted Ferndale, WA
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name: Sharon
Last Name: Shewmake
Date: 5/19/1980
Street Address: 2414 C Street
City: Bellingham
Zip: WA
Do you live in & are you registered to vote in Whatcom County?: Yes
Do you have a different mailing address?: Field not completed.
Primary Telephone: 3606504892
Secondary Telephone: Field not completed.
Email Address: sharon.shewmake@wwu.edu

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? Yes

3. Which Council district do you live in? District 2

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

9. Please describe your occupation (or former occupation if retired), qualifications, & interest in response to the following questions:

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions:

Shewmake-cv-resume-2018.pdf

I am an economics professor at Western Washington University and a permanent faculty member of WWU’s Institute for Energy Studies. My focus is on environmental economics, which is the main class I teach along with courses on urban...
professional and/or community activities, and education

I have written papers on how much people are willing to pay for energy efficient housing, carbon labeling and transportation economics. I also volunteer with the Women in Energy Mentoring Network and the Women in Economics and Finance programs at WWU. Since moving to Bellingham, I have been a member of the Riveters Collective board as well as vice chair of the Lettered Streets Neighborhood Association.

10. Please describe why you’re interested in serving on this board or commission

I am passionate about tackling climate change and deeply concerned that the actions we take are effective and cost-efficient. I believe economics has a unique perspective for looking at these questions and would like to apply the skills I bring as an economist to Whatcom County. I also think that service to Whatcom County Council could enhance my teaching and research.

References (please include daytime telephone number):

Andy Bunn, Professor at WWU (360) 650-4252, Joel Swisher Director of Institute for Energy Studies at WWU, (360) 650-4424, Beth Hartsoch, (360) 650-7376

Signature of applicant: Sharon Shewmake

Place Signed / Submitted Bellingham, WA

Email not displaying correctly? View it in your browser.
Sharon Anne Shewmake  
Western Washington University  
sharon.shewmake@wwu.edu

EXPERIENCE

Department of Economics, Associate Professor 2017-present  
Department of Economics, Assistant Professor 2013-2017  
Western Washington University, Bellingham, Washington  

PhD Program in Law and Economics, Post-Doctoral Researcher 2010-2013  
Vanderbilt University, Nashville, Tennessee  
Courses Taught: Risk and Environmental Regulation II (graduate), Labor and Human Resources (graduate)

International Food Policy Research Institute (IFPRI), Summer 2007

National Center for Environmental Economics, Intern Summer 2006  
Environmental Protection Agency, Headquarters Office, Washington, DC

Post, Buckley, Schuh & Jernigan, Inc, Environmental Scientist 2002-2004

EDUCATION

Ph.D.  
Ag. and Resource Economics, University of California, Davis  
September 2010  
“Can Carpooling Clean the Air? The Economics of Hybrid Cars, HOV Lanes and the Clean Air Act”

Bachelor of Arts  
Duke University, Durham, North Carolina  
Graduated with Distinction in Economics, May 2002  
Major: Double major in Economics and Environmental Policy  
Minor: Earth and Ocean Sciences

PUBLICATIONS

“Predicting Consumer Demand Responses to Carbon Labels” Ecological Economics, 119, 168-180. 2015 (with Abigail Okrent, Lanka Thabrew and Michael Vandenbergh)

“Producer and Consumer Responses to Green Housing Labels” Economic Inquiry, 53(1), January 2015, pp. 681-699. (with Kip Viscusi)


“The Impact of Bus Rapid Transit and Metro Rail on Property Values in Guangzhou, China” Transportation Research Record, forthcoming, 2014 (with Deborah Salon and Jingyan Wu)


REPORTS


WORKING PAPERS
Does the Flood Insurance Requirement Decrease Property Values? Before and After the Flood in Nashville, Tennessee (with Kyle Andelin) (submitted)
The Impact of HOV Lanes on Vehicle Miles Traveled
Energy Efficiency Scores and Housing Prices: Evidence from Bellingham, Washington

PRESENTATIONS
“Does the Flood Insurance Requirement Decrease Property Values?”
• Western Economic Association International, Honolulu, HI, Summer 2015
“Producer and Consumer Responses to Green Housing Labels”
• Department of Agricultural and Applied Economics, University of Georgia, August 2013
“Carbon Labeling for Consumer Food Goods”
• Western Economic Association International, Honolulu, HI, Summer 2015
• University of Sussex, Brighton, UK, Fall 2014
• World Congress on Environmental and Resource Economics (WCERE), Istanbul, Turkey Summer 2014
• American Law and Economics Association (ALEA) Annual Meeting, Nashville, TN May 2013
• Southern Economics Association (SEA) Annual Meeting, New Orleans, LA, November 2012
• Agricultural and Applied Economics Association (AAEA) Annual Meeting, Seattle, WA, August 2012
• University of California-Davis, Davis, CA, May 2012

“The Impact of HOV Lanes on Traffic Volume”
• American Law and Economic Association, Palo Alto, CA, May 2012
• Southern Economic Association, Washington, DC, November 2011
• Heartland Environmental and Resource Economics Workshop at University of Illinois, Urbana-Champaign, October 2011
• CU Environmental and Resource Economics Workshop, October 2011

“Hybrid Cars and HOV Lanes”
• Transportation Research Board, Washington, DC, January 2011
• World Congress on Environmental and Resource Economics, Montreal, Canada, Summer 2010
• Heartland Environmental & Resource Economics Workshop at Illinois, Urbana-Champaign, IL, October 2009
• 11th Occasional California Workshop on Environmental and Resource Economics, Santa Barbara, CA, October 2009
• Atmospheric Aerosols and Heath, UC Davis, October 2009
• Institute for Transportation Studies, UC Davis, October 2009
• Camp Resources XVI, Asheville, NC, August 2009
• EAERE - FEEM - VIU Summer School in Resource and Environmental Economics – Economics, Transport and Environment, Venice, Italy, July 2009
• University of California TSR&TP Conference, UC Berkeley, May 2009

“Vulnerability to Climate Change in South Africa’s Limpopo River Basin”
• Inaugural Conference of the Courant Research Centre ‘Poverty, Equity and Growth’ University of Göttingen, Germany, July 2009
• Pacific Development Conference, UCSD, March 2008

“Research Programs, Model-Building and Actor Network Theory
• History of Economics Society Annual Meeting, University of Toronto, July 2004

GRANTS AND FELLOWSHIPS
College of Business and Economics, Faculty Research Grant, WWU 2015
EAERE - FEEM - VIU Summer School in Resource and Environmental Economics
Courant Research Centre ‘Poverty, Equity and Growth’ Travel Grant to Göttingen, Germany
Pacific Rim Development Grant
Jastro Shields Research Grant
Atmospheric Aerosols and Health, UC-Davis
NSF Debating Science, University of Montana
Department of Agricultural and Resource Economics Fellowship, UC-Davis
Ben French Fellowship, University of California, Davis
University of California Washington Program Intern Award
Duke University, Nicholas School of the Environment Student-Faculty Research Grant
Duke University, Center for International Studies Summer Research Grant

PROFESSIONAL SERVICE
Executive Committee, Institute for Energy Studies, WWU, 2016-present
Faculty Search Committee Member for Department of Economics, WWU, 2015/2016
Dean Search Committee Member for College of Business and Economics, Western Washington University, 2015/2016
WWU Community Engagement Fellows 2015/2016
NARA Presentation on the Economics of Pollution and Climate Change
Women in Energy Mentoring Network, 2014-present
Department of Economics Commencement Representative, Spring 2015, Summer 2016
Faculty Search Committee Member for Institute of Energy Studies and Department of Economics, Western Washington University, 2014/2015
Faculty Research Writing Series, 2014/2015
Faculty Search Committee Member for Institute of Energy Studies and Department of Economics, Western Washington University, 2013/2014
President of Graduate Students Association, Agricultural and Resource Economics, UC Davis 2006-07

ADDITIONAL SKILLS
Experienced in using Stata, R, Matlab, Mathematica, GAMS, ArcGIS.
Proficient in spoken French, beginning Spanish and Setswana.
Board and Commission Application

**Step 1**

Application for Appointment to Whatcom County Boards and Commissions

**Public Statement**

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| First Name | Lauren |
| Last Name  | Turner |
| Date       | 12/18/2017 |
| Street Address | 4721 Parker St |
| City       | Bellingham |
| Zip        | 98226 |
| Do you live in & are you registered to vote in Whatcom County? | Yes |
| Do you have a different mailing address? | Field not completed. |
| Primary Telephone | 360-384-7888 |
| Secondary Telephone | Field not completed. |
| Email Address | turmel16@gmail.com |

**Step 2**
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Board or Committee Climate Impact Advisory Committee</td>
<td></td>
</tr>
<tr>
<td>2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying?</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Which Council district do you live in? District 4</td>
<td></td>
</tr>
<tr>
<td>4. Are you a US citizen? Yes</td>
<td></td>
</tr>
<tr>
<td>5. Are you registered to vote in Whatcom County? Yes</td>
<td></td>
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<td>6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? Yes</td>
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<td></td>
</tr>
<tr>
<td>You may attach a resume or detailed summary of experience, qualifications, &amp; interest in response to the following questions</td>
<td>Field not completed.</td>
</tr>
<tr>
<td>9. Please describe your occupation (or former occupation if retired), qualifications.</td>
<td>I graduated from the University of Washington with a degree in Chemical Engineering. I have a Professional Engineering license in Chemical Engineering as well. Since graduating, I have been working in the energy sector. In the energy sector, I</td>
</tr>
</tbody>
</table>
10. Please describe why you’re interested in serving on this board or commission

As a resident of Whatcom county, I want to make sure that I help protect the community I live in, however possible. With my current position at work, I’m learning more and more about environmental regulations and have an interest in using my knowledge to help preserve the community. I enjoy volunteering and think that this position could be a good opportunity to serve the community.

References (please include daytime telephone number):

Kelsey Hammonds: 360-808-1255
Pete Gasior: 360-384-8378

Signature of applicant: Lauren Turner

Place Signed / Submitted: Ferndale, WA

(Section Break)

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Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name  Edward
Last Name  Ury
Date  1/8/2018
Street Address  204 Flora St.
City  Bellingham
Zip  98225
Do you live in & are you registered to vote in Whatcom County?  Yes
Do you have a different mailing address?  YES
Mailing Address  2309 Meridian St. 98225
Primary Telephone  2069722001
Secondary Telephone  Field not completed.
Email Address  eddyu@re-sources.org
<table>
<thead>
<tr>
<th>Step 2</th>
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</thead>
<tbody>
<tr>
<td>1. Name of Board or Committee</td>
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<tr>
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</table>

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions

9. Please describe your occupation (or former): As the Clean Energy Program Manager at RE Sources for Sustainable Communities, I advocate for policy and action to...

Field not completed.
10. Please describe why you’re interested in serving on this board or commission.

Already, the impacts of global greenhouse gas pollution are creating challenges for Whatcom County, which we can expect to be much more severe in the coming decades: droughts, forest fires, reduced snowpack and thus river flows, acidified shellfish beds, rising sea levels, and powerful storms. Climate change and ocean acidification pose challenges of the highest degree. Moreover, the imperative to move beyond fossil fuels presents an even greater challenge to Whatcom County in that refining petroleum is an anchor of our local economy. Forward-thinking planning in the county’s jurisdiction is vital for adapting to the consequences of greenhouse gas pollution and predictable climactic changes. Going further, Whatcom County has potential to become an exemplary leader among worldwide efforts to make the clean energy transition swift, just, and equitable. The complexity of responding to climate change responsibly, for a municipal government, demands an accountable, collaborative public process. Though not an expert by any means, I have a broad foundational knowledge of issues around climate and energy, with a well-rounded network of change-makers in policy and alternative energy industries. I don’t claim to have all the answers, but I’m adept at research and critical analysis. Through serving on the committee, I would aim to facilitate input from local stakeholders and outside experts, procure reports and guest presentations, seeking to find solutions where they exist. My priorities are to ensure that the committee’s process is inclusive, productive, and ambitious.
References (please include daytime telephone number):

Signature of applicant: Edward Ury

Place Signed / Submitted 204 Flora St; Bellingham

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Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

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First Name  Colin
Last Name  Wahl
Date  1/8/2018
Street Address  1016 21st street
City  Bellingham
Zip  98225
Do you live in & are you registered to vote in Whatcom County?  Yes
Do you have a different mailing address?  Field not completed.
Primary Telephone  3603919881
Secondary Telephone  3603919881
Email Address  biowahl@gmail.com

Step 2
1. Name of Board or Committee: Climate Impact Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying? Yes

3. Which Council district do you live in? District 1

4. Are you a US citizen? Yes

5. Are you registered to vote in Whatcom County? Yes

6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? No

7. Have you ever been a member of this Board/Commission? No

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? No

You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions: Wahl CM CV(1.8.2018).docx

9. Please describe your occupation (or former occupation if retired), qualifications, I currently work for the Tulalip Tribes Natural Resource Department as an Environmental Scientist. My position is primarily focused on reviewing, developing, and implementing the technical aspects of regional salmon recovery policy. Much
of our work on salmon recovery is focused on climate change, from sea level rise, to ocean acidification, flooding, and marine survival. I serve on the Snohomish Basin Salmon Recovery Technical Committee as Co-Chair. We recently published an issue paper on how climate change impacts salmon and salmon recovery strategies, and developed a number of adaptation strategies to address the anticipated impacts of climate change (see resume/CV). I also serve in a leadership position developing Tulalip Tribes Climate Change Adaptation Plan. We are currently in the early stages of drafting the plan. I am deeply familiar with regional climate change assessments, including the work of the Climate Impacts Group at the University of Washington, and many other regionally specific scientific reports related to climate impacts such as sea level rise, ocean currents, hydrology/flooding/drought, snow pack, wildfire, sediment transport, ocean acidification, marine food web dynamics, erosion, beach armoring, and water rights issues. I am familiar with other non-ecological impacts such as flood and stormwater management, infrastructure development, critical area ordinances, human health effects, and anticipated challenges and opportunities for agriculture. I would like to contribute more to my community. Thus far, my contributions have been limited to professional activities, as well as educational public presentations. This opportunity will be an ideal way for me to contribute locally in an impactful way. I have a bachelor's and master's degree in Biology from Western Washington University, where I studied biological impacts of land use on streams in Whatcom County. I think my scientific expertise and conservation values will add an important element to this committee.

Since completing graduate school at WWU I've enjoyed building a career with a number of tribal communities just south of Bellingham. Initially I started working for a tribe because tribes are a major employer in the natural resource field in the area, so the opportunity was simply available. I also did not want to leave my home in Bellingham. I greatly appreciate the opportunities the tribes have given me, as well as the wisdom they continue to teach, and values of community and conservation they continue to inspire. When we plan for managing natural resources, we plan 7 generations into the future. If our modern society in the greater USA would do this, we would be in a much better position to combat climate change and preserve the resources we all depend on. While these values may occasionally conflict with the drive for economic development at times, the economy, and the economic well being of the people of Whatcom County is compatible with native conservation values. I believe we can
develop our society with intelligence and foresight, so that our great grandchildren can thrive like our great grandparents. We are making steps in the right direction, and I would like to volunteer my education, knowledge, and experience to help guide us into the future. After working my way through two degrees and beginning to cultivate a successful career, I am ready and enthusiastic to serve my community in the capacity of a volunteer member of the climate impact advisory committee.

References (please include daytime telephone number):

Ryan Miller: Legislative Liaison, Tulalip Tribes 6406 Marine Dr, Tulalip, WA 98271 360-716-4632
Casey Ruff: Director of Harvest Management, Skagit River System Cooperative 11426 Moorage Way, La Conner, WA 98257 360.770.8964
Dr. David Hooper: Professor, Western Washington University Biology Building, Mail Stop 9160, Bellingham, WA 98225-9160 360.650.3649

Signature of applicant: Colin Wahl

Place Signed / Submitted Bellingham, WA

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Versatile, effective, and articulate scientific researcher with more than 8 years of experience studying, managing, and conservation natural resources in the Pacific Northwest. Talented and experienced statistician and data manager. Professional, amicable, and solution-oriented leader, problem solver, and communicator. Articulate technical writer, public speaker and enthusiastic educator with excellent communication and interpersonal skills catered to audiences with various interests and technical and nontechnical backgrounds.

EDUCATION

MASTER OF SCIENCE, BIOLOGY
Western Washington University, Bellingham, WA
“Patterns in Land Use, Riparian Forest, and Biological Stream Conditions in the Puget Lowlands of Western Washington”

BACHELOR OF SCIENCE, BIOLOGICAL ANTHROPOLOGY
Western Washington University, Bellingham, WA
“The Impacts of Paleolithic Peoples and Climate on the Pleistocene Extinction of North American Mega Fauna”

PUBLICATIONS


In progress – Tulalip Tribes Climate Change Adaptation Plan.

CAREER SUMMARY

TULALIP TRIBES, Tulalip, WA

ENVIRONMENTAL SCIENTIST (April 2016 – Present)
Reviewed and implemented regional salmon recovery policy. Served as co-chair of the regional technical advisory group.
Began and organized development of the Tulalip Climate Change Adaptation Plan.

- Served as co-chair of the Snohomish Basin Salmon Recovery Technical Committee, reviewing and providing scientific technical guidance to policy makers about regional salmon recovery policy.
- Interim lead for the Tulalip Tribes Climate Change Adaptation Plan, organized and began development of the plan, and the diverse planning team for a large government organization. Currently serve as a leader on the team and expert on current and best available science on all aspects of climate change in the Pacific Northwest.
- Reviewed many different and contentious policy issues from climate change to critical area ordinances and the difficult and conflicting issue involving exempt wells and Hurst.
- Advised the Tulalip Executive on sea level rise projections and implications for planned economic and infrastructure development.
- Represent technical perspectives and provide technical advice to the Snohomish Watershed Forum.
- Attend local educational events to speak about climate change impacts and the unique perspectives and impacts to indigenous peoples of the PNW.
- Manage and/or apply for multiple federal and state grants and represent tribal interests in state funding allocations.
SAUK-SUIATTLE INDIAN TRIBE, Darrington, WA

FIELD COORDINATOR (November 2014 – April 2016)

Developed monthly schedules for environmental monitoring studies, supervised and coordinated a diverse group of four technicians, managed and updated GIS database and maps for knotweed eradication program.

- Supervised and managed a group of technicians with complicated backgrounds, cultural values, challenging personal problems, and work ethics.
- Coordinated technician assignments with the fish, wildlife, and water quality coordinators to fulfill field duties, including spawning ground surveys, eagle and amphibian surveys, elk trapping, darting, and collaring efforts.
- Collaborated with USGS geologists to monitor trends in sediment transport and river delta accumulation and implications with climate change.
- Updated the GIS database and field maps for the yearly summer knotweed eradication program. Produced new field maps for the 2015 season. Managed landowner relations and access permissions.

SKAGIT RIVER SYSTEM COOPERATIVE, LaConner, WA

SCIENTIFIC TECHNICIAN (May 2012 – November 2014)

Filled various and valuable roles participating in a variety of important research and monitoring studies addressing and analyzing management and conservation of salmon populations and habitat the Skagit River system and Whidbey Basin.

- Managed all aspects of the weekly Skagit River test fishery assessing the timing and strength of salmon runs, providing data for mid-season run forecast adjustments and contributing to a long term 30-year dataset of species-specific population variables.
- Conducted spawning ground surveys in main stem and tributary spawning grounds for stock-specific spawner abundance, redd counts, hatchery chinook stray rate, and coded wire tag recovery.
- Collected DNA from chum salmon to characterize genetic composition of threatened sub-populations.
- Implemented field research on migration patterns of juvenile salmon (particularly ESA-listed chinook) through near-shore, pocket estuary, and river delta rearing habitats.
- Safely and professionally piloted fishing and research boats in Skagit bay, delta, and all sections of the river, from the delta to the dams, in occasionally dangerous and often inclement conditions at all hours of the day and night.

SKAGIT RIVER SYSTEM COOPERATIVE, LaConner, WA

ELK TRAPPING COORDINATOR (January 2014 – April 2014)

Coordinated the inter-agency 2014 elk trapping effort. Established and monitored remote bait sites and trapping locations. Communicated and organized large diverse team of 20+ program directors, biologist, and technicians.

- Coordinated the trapping and radio-collaring effort for the co-managed Nooksack/North Cascade Elk herd.
- Lead and scheduled a diverse team of biologists and technicians from the Swinomish, Sauk-Suiattle, Upper Skagit, Stillaguamish, and Tulalip tribes, WDFW, WSDOT, DNR Seattle City Light, as well as numerous landowners and timber companies.
- Scoured remote forest service roads for sign of elk activity and identification of suitable trapping sites.
- Assembled trap transport and installation teams, and scheduled twice-daily radio transmitter trap checks and daily response teams to respond to captures and safely collar and/or release animals.

WESTERN WASHINGTON UNIVERSITY; Department of Biology, Bellingham, WA

GRADUATE STUDENT AND TEACHING ASSISTANT (August 2008 – June 2012)

Successfully designed and implemented a complex scientific study of Whatcom County stream health.

- Designed and Implemented a complex ecological study the to investigate the effectiveness of forested riparian buffers in mitigating watershed-scale impacts on stream biota in Whatcom County streams.
- Compiled a large and data set of benthic macroinvertebrate population composition and distribution, abiotic stream and water quality variables, and large, medium, and small scale geographic and land use information.
- Mastered complex and sensitive laboratory and field equipment, created and drafted standard operating procedures for analytical techniques still in use at the Hooper lab at WWU.
- Taught laboratory classes for undergraduate courses, organized field trips, evaluated and advised students.
- Collaborated with other graduate teaching assistants, professors, and laboratory and stock room coordinators to update, edit, and improve curricula and teaching methods. Also Coordinated, advised, and mentored undergraduate teaching assistants.
PROFESSIONAL REFERENCES:

**Ryan Miller**: Legislative Liaison,
   Tulalip Tribes
   6406 Marine Dr, Tulalip, WA 98271
   360-716-4632

**Casey Ruff**: Director of Harvest Management,
   Skagit River System Cooperative
   11426 Moorage Way, La Conner, WA 98257
   360.770.8964

**Dr. David Hooper**: Professor,
   Western Washington University
   Biology Building, Mail Stop 9160,
   Bellingham, WA 98225-9160
   360.650.3649
Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement
THIS IS A PUBLIC DOCUMENT: As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

First Name  Gabriel
Last Name  Westergreen
Date  12/26/2017
Street Address  6196 Grouse Circle
City  Ferndale
Zip  98248
Do you live in & are you registered to vote in Whatcom County? Yes
Do you have a different mailing address? Field not completed.
Primary Telephone  3602232013
Secondary Telephone  Field not completed.
Email Address  p66unitchair@usw12590.com

Step 2
1. Name of Board or Committee | Climate Impact Advisory Committee
---|---
2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying? | Yes
3. Which Council district do you live in? | District 5
4. Are you a US citizen? | Yes
5. Are you registered to vote in Whatcom County? | Yes
6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county? | No
7. Have you ever been a member of this Board/Commission? | No
8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County? | Yes
   If yes, please explain | I am an employee of Phillips 66, I am also the head of the Union for the facility and represent all of the Union members for that site.
---|---
You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions | Field not completed.
9. Please describe your occupation (or former occupation if retired), qualifications, professional and/or community activities, and education

I am currently employed with Phillips 66 as an sulfur plant operator and have been doing that for nearly a decade now. I am the head of my Union for the facility and vice president of our local USW 12-590 based in Ferndale WA, our local also oversees Whatco at the Crude unloading facility located at the Phillips 66 site. As I am an elected official I do speak for the other hourly employees at the facility. I completed my high school education at Nooksack Valley High in 2003 and did some college credits towards a degree in computer science.

10. Please describe why you’re interested in serving on this board or commission

I am an elected representative for some of the workers that will be affected buy the transition to clean energy and can speak on behalf of those workers when talking about what a "just transition" would look like.

References (please include daytime telephone number):

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steve Garey</td>
<td>(360) 770-0510</td>
</tr>
</tbody>
</table>

Signature of applicant: Gabriel Westergreen

Place Signed / Submitted: Ferndale WA

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APPLICATION FOR APPOINTMENT TO WHATCOM COUNTY BOARDS AND COMMISSIONS

PLEASE PRINT LEGIBLY and COMPLETE ALL ITEMS

Name: Jill MacIntyre Witt
Street Address: 2231 Walnut St.
City: Bellingham
Mailing Address (if different from street address):
Day Telephone: 360.201.3093
Evening Telephone: Same
Cell Phone: Same
E-mail address: jillmwitt@hotmail.com

1. Name of board or committee—please see reverse: Climate Impact Advisory Committee

2. You must specify which position you are applying for. Please refer to vacancy list.

3. Do you meet the residency, employment, and/or affiliation requirements of the position for which you’re applying? (If applicable, please refer to vacancy list.)

4. Which Council district do you live in? ( ) One ( ) Two ( ) Three ( ) Four ( ) Five

5. Are you a US citizen? ( ) yes ( ) no

6. Are you registered to vote in Whatcom County? ( ) yes ( ) no

7. Have you ever been a member of this Board/Commission? ( ) yes ( ) no

8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?

9. Have you declared candidacy (as defined by RCW 42.17A.055, see instructions) for a paid elected office in any jurisdiction within the county?

You may attach a résumé or detailed summary of experience, qualifications, & interest in response to the following questions.

10. Please describe your occupation (or former occupation if retired), qualifications, professional and/or community activities, and education.

11. Please describe why you’re interested in serving on this board or commission:

Fogel bgologm, Natural Resources Policy Manager, City of Bellingham, (360) 201-3093

THIS IS A PUBLIC DOCUMENT: As a candidate for a public board or commission, the above information will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.
HIGHLIGHTED QUALIFICATIONS

- 25+ years of teaching experience in various educational settings
- 8 years of experience at Western Washington University as faculty, staff and student
- Curriculum development experience
- Mentoring professionals and students in climate justice work
- Experience in engaging and collaborating with many departments and colleagues at Western Washington University
- Results driven producer in business, teaching, coaching, community organizing and training with various age groups across the country and locally

EDUCATION

Masters of Arts in Environmental Studies, Huxley College of the Environment, Western Washington University (anticipated graduation - June, 2017)

Certified Climate Reality Project Presenter – The Climate Reality Project (San Francisco - 2012)

Bachelors of Science degree in Environmental and Systematic Biology, Minor in Psychology, and Deans List recipient, Cal Polytechnic State University - San Luis Obispo, CA (graduated 1989) and 4th year International Exchange student at Queensland University – Brisbane, QLD, Australia (1987)

ACADEMIC ACHIEVEMENTS AND SERVICE

Keynote Speaker – Climate Reality Leadership Corps Training (June, 2017)
Author – “Climate Justice Field Manual” – WWU Masters Project available at climatejusticenow.earth
Sustainability Fellows Participant – Western Washington University (January - June 2017)
Masters Poster Presenter – Northwest Climate Conference (November, 2016)
Sustainability Award Recipient – Western Washington University (December, 2015)
Organizer – Climatefest (Climate Conference), Western Washington University (October, 2015)
Faculty Club Adviser – Students for Renewable Energy (2010-present)
Sustainable Action Plan Committee (2016-present)
Huxley College Diversity Committee (2016-2017)
WORK AND VOLUNTEER EXPERIENCE

Environmental Studies Instructor (ENVS 202) – Western Washington University (Spring Quarter, 2018)
- Teach ENVS 202 – Introduction to Sustainability course to around 150 students
- Utilize existing curriculum for the course
- Develop curriculum for the theme of the course which is Climate Justice

Environmental Studies Instructor (ENVS 400) – Western Washington University (Fall Quarter, 2017)
- Developed an Independent Study Project for a student titled “Climate Justice Media Project”
- Advised student at weekly meetings with design and implementation of his project
- Provided feedback and suggestions for the student to enhance his academic success

Physical Education Instructor – Western Washington University (2010-present)
- Teach physical education in 100 level courses through the Extended Education and Human Health and Development Departments
- Mentor student teachers during their teaching practicum courses and provide feedback to improve their lesson plans and teaching tactics
- Develop curriculum for new physical education courses

Peace Corps Campus Representative – Western Washington University (2011-present)
- Present information about Peace Corps service at fairs, in classrooms, club meetings, information presentations, panel discussions and organize special events
- Maintain top 3 national ranking for mid-sized universities
- Assist students with creating resumes, editing essays and filling out applications
- Train Campus Ambassadors on various campus activities for promoting Peace Corps

Presenter – Climate Reality Project (2012-present) (100+ presentations in 5 years)
- Create, organize and present climate change educational PowerPoint presentations at various locations (schools, churches, organizations) in Bellingham and surrounding communities

Mentor – Climate Reality Project (2013-present)
- Assist trainees at Climate Reality Leader Training and provide assistance through monthly conference calls, meetings and annual gatherings
  2013 – Chicago, IL
  2015 – Cedar Rapids, IA (Speaker on panel with Vice President, Al Gore)
  2015 – Toronto, Canada
  2016 – Houston, TX
  2017 – Denver, CO (Panelist on “Story of Change, Community Organizing”)

Community Organizer – 350 Bellingham (2010-present)
- Organize and lead citizens to action by planning and implementing local demonstrations including rallies, protests, marches and vigils on climate change with 350.org, through development of our local
- Collaborate with other local grassroots organizations to create and organize events that promote climate justice in our community
- Launch a city-wide campaign “Fossil Free Bellingham” to pass a resolution committing Bellingham to 100% renewable energy by 2030, with official public launch in 2018

**Campaign Organizer** – Bag It Bellingham Campaign (2011-2012)
- Created, managed, led, and directed Bellingham to reduce single-use bag use, resulting in a city bag reduction ordinance, removing single use plastic bags from all retail outlets with an exclusion to take out food

**Campaign Organizer** – 10:10 Campaign (2010)
- Created and managed national climate change campaign called 10:10 moving Americans to lower their carbon emissions 10% a year starting in 2010

**Camp Director** – Girls Go Green (2009)
- Created and implemented week long sustainability summer camp for girls ages 6-9
- Taught the participants ways to care for the earth more sustainably in regards to water, food, air, and transportation

**Founding Consultant and Director**, The Body Shop At Home™ - USA (2002-2009)
- Recruited, managed, trained, led and coached hundreds of team members to become at home consultants, sharing natural skin care products and helping customers learn about the Body Shop campaigns and how their purchases impacted social and environmental change
- Led trainings and workshops on sustainable business practices on monthly national phone calls and yearly conferences
- Empowered women to become successful business people and educators

**ADDITIONAL WORK AND VOLUNTEER EXPERIENCE**

**Planned events, edited book, and assisted with work for Anita Roddick, Founder of The Body Shop®** (2003-2007)

**Organized and implemented fundraising events** for many local, national and international organizations including local yearly elementary school auction (2000-2010)

**Taught, mentored, inspired and motivated youth** as a Counselor/Teacher in various educational settings - Italy and USA (1993-2002)

Assessed, designed and implemented health and water quality projects in the Peace Corps - Morocco, Africa (1990-91)

Published author with 2 essays in Stories with Grace, a bi-annual journal of personal essays

ACTIVISM AND AFFILIATIONS

Literacy Tutor, Blood Drive Organizer, Campaigner, CSA Farmer, Certified Youth Soccer Coach (20 years), Columbia Neighborhood Association Board Member, currently serving as Vice President and MNAC (Mayor Neighborhood Advisory Committee) Representative (9 years)

Affiliations: (Locally) The Lydia Place, Smart Trips, Re-Sources (Globally) Peace Corps, National Coalition to Free the Angola 3, anitaroddick.com, The Climate Reality Project, 350.org, Avaaz.org, Amnesty International
Jill MacIntyre Witt  
2231 Walnut St.  
Bellingham, WA 98225  
January 8, 2018

RE: Application for Climate Impact Advisory Committee

Dear Whatcom County Reviewers of Committee Applications,

I am applying for a position on the Climate Impact Advisory Committee because I feel qualified to serve in this capacity with my educational background of a B.S. in Environmental and Systematic Biology and a M.A. in Environmental Studies. I recently completed my Masters at Western Washington University and created a Climate Justice Field Manual which can be downloaded for free at climatejusticenow.earth. What I have learned is that it is imperative that our governmental bodies (local, state and national) take bolder action on climate change.

I have had extensive training on climate education and advocacy with The Climate Reality Project and have a thorough depth of understanding on the topics related to climate change, including impacts and solutions. I am currently working with a team on a Fossil Free Bellingham Resolution which calls for 100% renewable by 2030, and this process which research into what over 60 cities are doing across the country is furthering my understanding of the scope of the solutions. I feel that I could make sound recommendations to the Council on policy and budget priorities as well and guidelines for addressing climate impacts. I can also recommend targets that put us on a path to a livable future, which it is essential to have a target to work towards that is based on the current science. Also, I can help with strategies on public engagement and effective climate communication for citizens. My references are listed below as they didn’t fit on my application clearly. Please see attached resume for qualification details.

Thank you for your consideration,

Jill MacIntyre Witt  
M.A. Environmental Studies, Western Washington University  
Climate Reality Leader, Mentor, Speaker, Bellingham Chapter Chair  
350Bellingham Organizer

REFERENCES:

Dr. Brooke Love, Assistant Professor, Environmental Sciences, Western Washington University, brooke.love@wwu.edu, 360-650-2894

Dr. Gene Myers, Professor, Environmental Studies, Western Washington University, gene.myers@wwu.edu, 360-650-4775

Clare Fogelsong, Natural Resources Policy Manager, City of Bellingham, cfogelsong@cob.org, 360-778-7965