




City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: <i>Rebecca B. Neumann</i>		
Board/Commission Name: <i>Urban Forestry Commission</i>		Position Title: <i>Hydrologist</i>
<input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment		Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Appointing Authority: <input type="checkbox"/> Council <input checked="" type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i>	Date Appointed: <i>mm/dd/yy.</i>	Term of Position: * <i>4/1/2021</i> to <i>3/31/2024</i> <input checked="" type="checkbox"/> <i>Serving remaining term of a vacant position</i>
Residential Neighborhood: <i>TBD</i>	Zip Code: <i>TBD</i>	Contact Phone No.:
Background: <p>Dr. Neumann leads the hydro-biogeochemistry research group in the Department of Civil and Environmental Engineering at the University of Washington. The group investigates transport and reaction of chemicals in the environment, tackling societally relevant topics, such as food and water quality and global climate change. Dr. Neumann was the 2018 recipient of the American Geophysical Union's Charles S. Falkenberg Award, which recognizes "an early- to middle-career scientist who has contributed to the quality of life, economic opportunities and stewardship of the planet through the use of Earth science information." Prior to UW, Dr. Neumann worked as a NOAA Climate and Global Change postdoctoral fellow at Harvard University in the Department of Organismal and Evolutionary Biology. She received a Doctorate degree in Environmental Engineering from Massachusetts Institute of Technology and baccalaureate degrees in Civil and Environmental Engineering and Art and Art History from Rice University. Outside of work she enjoys exploring the mountains with her husband and two kids.</p> <p><i>Rebecca is being appointed to serve the remainder of a three-year term ending March 31, 2024.</i></p>		
Authorizing Signature (original signature):  Date: 3/1/2022		Appointing Signatory: Bruce A. Harrell <i>Mayor of Seattle</i>

*Term begin and end date is fixed and tied to the position and not the appointment date.

Rebecca B. Neumann

Associate Professor of Civil & Environmental Engineering, University of Washington, Seattle, WA

Objective. To use my scientific and management skills in service of my community. To work toward ensuring the city of Seattle is a great place to live for all residents in all neighborhoods.

Professional Positions

2018–pres. Associate Professor, Civil & Environmental Engineering, University of Washington

2011–2018 Assistant Professor

- Leader of University of Washington's Hydro-biogeochemistry research program that is addressing climate change, food quality and water quality.
- Advancing knowledge of how hydrologic, chemical and biological processes interact to control the movement and form of chemicals in the environment.
- Awarded ~\$11 million in federal and state research grants.
- Received American Geophysical Union's Charles S. Falkenberg Award for "contributions to the quality of life, economic opportunities and stewardship of the planet through the use of Earth science information" (2018)
- Conducting and overseeing fieldwork at sites around the globe (Bangladesh, Cambodia, Peru, Alaska, Washington State), laboratory and plant-growth experiments, and computer modeling.
- Presenting results in professional meetings, public seminars, public meetings and peer-reviewed manuscripts (30 peer-reviewed publications, 1388 citations, 15 h-index, see [Google Scholar](#))
- Supervising postdoctoral researchers, graduate students, laboratory and field technicians, and undergraduate students in research (35+ total people).
- Teaching undergraduate and graduate environmental engineering courses.

2021–pres. Community Scientist, Thriving Earth Exchange, American Geophysical Union

- Assisting Otsego County, NY create up-to-date greenhouse gas inventory at the municipality level
- Identifying projects that will improve community resilience while reducing greenhouse gas emissions.

2017–2020 Independent Consultant

- Provided expert advice to the Port of Tacoma for remediating an arsenic-contaminated site.
- Worked with consultants to design soil and water sampling and analysis plans and to interpret data.
- Collaborated in development of a flow and transport model used to assess remediation options.
- Presented findings to site managers at the Department of Ecology.

Notable Service Activities

- Justice, Equity, Diversity & Inclusions Committee, UW Civil & Environ. Engineering (2021 – present)
- UW Environmental Stewardship Committee (2021 – present)
- American Geophysical Union's Sustainability Committee (2020)
- Development team for Earth Hero app for calculating carbon footprint and identifying personal actions that can reduce carbon emissions (2019 – present)
- Reviewer for California Environmental Protection Agency's draft document titled, *Proposed Naturally Occurring Concentrations of Inorganic Arsenic in White and Brown Rice* (2017)
- UW Program on Climate Change advisory committee member (2016 – 2018)

Professional Preparation

Rice University, Houston, TX. Civil Engineering / Art & Art History. B.S. / B.A., 2002

Mass. Institute of Technology, Cambridge, MA. Environmental Engineering. Ph.D., 2009

Thesis title: "The Hydrogeochemistry of Pond and Rice Field Recharge: Implications for the Arsenic Contaminated Aquifers in Bangladesh."

Harvard University, Cambridge, MA. Ecology. Postdoctoral position. 2009–2011

Awarded NOAA Climate and Global Change Postdoctoral Fellowship. Project title: "The Magnitude of Hydraulic Redistribution of Water by Plants: A Laboratory and Modeling Investigation."

Urban Forestry Commission

6-1-21

13 Members: Pursuant to SMC 3.14.920, all members subject to City Council confirmation, 3-year terms:

- 6 City Council-appointed
- 6 Mayor-appointed
- 1 Commission-appointed

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
6	F	6	1.	Wildlife Biologist	Julia Michalak	4/1/20	3/31/23	1	Council
6	NB	2	2.	Urban Ecologist	Elby Jones	4/1/20	3/31/23	1	Mayor
6	M	6	3.	Natural Resource Agency or University Representative	Weston Brinkley	4/1/19	3/31/22	2	Council
6	F	4	4.	Hydrologist or Similar Professional	Rebecca B. Neumann	4/1/21	3/31/24	1	Mayor
6	M	4	5.	Arborist	Stuart Niven	4/1/21	3/31/24	2	Council
1	M	5	6.	Landscape Architect	Hao Liang	4/1/21	3/31/24	1	Mayor
6	M	3	7.	NGO Representative	Joshua N. Morris	14/1/19	3/31/22	1	Council
6	M	7	8.	Development Community or Utility Representative	David Moehring	1/19/21	3/31/22	1	Mayor
6	M	n/a	9.	Economist, Financial Analyst, Realtor, or Similar Professional	Blake Voorhees	4/1/20	3/31/23	1	Commission
6	F	7	10.	Get Engaged Member	Laura Keil	9/1/20	8/31/22	1	Mayor
9	F	4	11.	Environmental Justice Rep.	Jessica Hernandez	4/1/21	3/31/24	1	Council
6	F	7	12	Public Health Rep.	Jessica Jones	4/1/21	3/31/24	2	Mayor
			13	Community/Neighborhood Rep.	Vacant	4/1/18	3/31/24		Council

SELF-IDENTIFIED DIVERSITY CHART

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
	Men	Women	Transgender	Unknown	Asian	Black/African American	Hispanic/Latino	American Indian/Alaska Native	Other	Caucasian/Non-Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	2	3		Non-Binary	1					5			
Council	3	2								4			1
Other	1									1			
Total	6	5		1	1					10			1

Key:

- *D List the corresponding Diversity Chart number (1 through 9)
- **G List gender, M= Male, F= Female, T= Transgender, NB= Non-Binary O= Other U= Unknown
- RD Residential Council District number 1 through 7 or N/A

Diversity information is self-identified and is voluntary.