



SEATTLE
CITY CLUB
DEMOCRACY STARTS WITH YOU



Virtual Civic Boot Camp COVID19, Climate Change, and Climate Justice

May 15 and May 29, 2020

/// *If you see this little dot on the horizon and you are reasonably confident that it's a freight train barreling toward you, you oughta start acting on it before it arrives.* ///

Denis Hayes

WELCOME

This workbook is designed to help you engage throughout the webinars and provide resources you can use afterwards. Within the workbook, you will find speaker biographies, local and global resources about climate change and environmental justice, key terms and definitions, volunteer opportunities, and more!



ABOUT SEATTLE CITYCLUB

Seattle CityClub is a nonpartisan, 501(c)(3) nonprofit organization improving the civic health of the Puget Sound region by providing programs that bridge politics, sectors, and generations to inform and engage residents and community leaders.

Thank you to our Civic Boot Camp Supporting Partner



SPEAKER BIOGRAPHIES - INTERVIEWS

Susan Balbas, Executive Director, Na'ah Illahee Fund, Cherokee and Yaqui Nations descendant | Susan holds a Bachelor of Business Administration and a Master of Science in Teaching. From 2007-2012, she was a training and technical assistance specialist for multiple tribal youth programs for the U.S. Department of Justice, Office of Juvenile Justice and Delinquency Prevention's Tribal Youth Programs through Education Development Center, Inc., a nonprofit organization based in Boston.

Ms. Balbas carries valuable expertise in all levels of nonprofit operations and management. Susan has been an independent consultant working with tribes, artists and nonprofit organizations, the Chief Development Officer at United Indians of All Tribes Foundation in Seattle, Development and Donor Education Coordinator at Changemakers Foundation in San Francisco, the Executive Director at the NAYA Youth and Family Center in Portland, and the Outreach Director at the Western Water Alliance in Seattle where she was the primary researcher on water and related environmental issues. Mother of three and grandmother of three, Susan has studied extensively with herbalists, is an avid gardener, cook, and a voracious reader of historical novels. She currently serves on the board of the Potlatch Fund in Seattle.

Denis Hayes, President and CEO, The Bullitt Foundation | Denis was the principal national organizer of the first Earth Day in 1970 and took the event international in 1990. It is now the most-wide-observed secular holiday in the world. In 1999, Time magazine selected Hayes as one of its "Heroes of the Planet."

During the Carter Administration, Hayes was the director of SERI — since renamed the National Renewable Energy Laboratory. Hayes has received the national Jefferson Medal for Outstanding Public Service and the Rachel Carson Medal, as well as the highest awards bestowed by the Sierra Club, the Humane Society of the United States, the National Wildlife Federation, the Natural Resources Council of America, the Global Environmental Facility, the Interfaith Center for Corporate Responsibility, the American Solar Energy Society, and the Commonwealth Club.

(Continued on Page 4)

Over the years, Hayes has been special assistant to the Governor of Illinois for natural resources and the environment; senior fellow at the Worldwatch Institute; adjunct professor of engineering and human biology at Stanford University; Regents' Professor at the University of California; and a Silicon Valley lawyer at the Cooley firm. Denis has been a visiting scholar at the Woodrow Wilson International Center for Scholars in Washington, DC and at the Bellagio Center in Italy, and a Richard von Weizsäcker Fellow of the Bosch Foundation. Denis and his wife, Gail Boyer Hayes, co-authored COWED: The Hidden Impact of 93 Million Cows on America's Health, Economy, Politics, Culture, and Environment (WW Norton, 2015).

He has served on dozens of governing boards, including those of Stanford University, the World Resources Institute, the Federation of American Scientists, the Energy Foundation, Children Now, the American Solar Energy Society, Greenpeace, CERES, and the Environmental Grantmakers Association.

Currently, Denis leads an effort at the Bullitt Foundation to mold the major cities of Pacific Northwest and British Columbia into models of sustainability for a rapidly urbanizing planet. Under his leadership, the Foundation designed and constructed the Bullitt Center, the world's greenest office building, which it operates as a commercial enterprise.

Ben Farrow, Director, Clean Energy Strategy, Puget Sound Energy | Ben Farrow is the Director of Clean Energy Strategy for Puget Sound Energy. He previously was Manager of Electric and Gas Development, focused on policy development and the implementation of Washington's Clean Energy Transformation Act. Ben has also held roles at PSE as the Manager of Product Development, as a major account executive, and in the Resource Acquisition and Power Generation groups.

Prior to PSE, Ben worked as a civil engineering consultant focused on environmental management and remediation and as a researcher in Antarctica, Canada, and Nepal. He serves locally on the board of Forth Mobility and has been a long-time volunteer teaching adaptive skiing.

(Continued on Page 5)

SPEAKER BIOGRAPHIES - WEBINAR, MAY 15

Ryan Calkins, Port Commissioner, Port of Seattle | Ryan was elected to the Port of Seattle Commission in 2017. Ryan works as a nonprofit professional at Ventures, a charitable organization that supports low-income entrepreneurs to start and grow their businesses in the Puget Sound area. For more than a decade, Ryan ran an import and distribution company in Seattle that was recognized for its industry-leading sustainability initiatives. In 2007, he formed Seattle Microfinance Organization (SeaMo), a nonprofit dedicated to expanding access to capital for entrepreneurs with limited economic resources. Ryan began his career in Central and South America, working for disaster relief and human rights nonprofits. He received his Master of Arts from Yale University in International Relations and his Bachelor of Arts from Willamette University in Religious Studies.

Commissioner Calkins focuses on sustainable economic development at the Port of Seattle, working to ensure that our region's prosperity is shared among all of our communities. Ryan balances current needs with a long-term vision for the Port of Seattle, to ensure that one of our region's most valuable public assets will continue to thrive for generations to come.

Chris Rilling, Executive Director, Puget Soundkeeper | Chris brings over 30 years of experience in marine ecosystems management and has devoted his career to preserving our nation's natural resources on land and at sea. Chris has a Bachelor of Science in Marine Biology from Humboldt State University and Master of Science in Marine Science from the University of Maryland. Chris' passion for clean water issues began early in his career as a captain and crew member on commercial fishing vessels in Prince William Sound, Alaska. He lived aboard a sailboat with his wife Laura on the Chesapeake Bay near Annapolis, MD, and has sailed the Puget Sound on his sailboat, Tokitae II (named after the orca calf who was taken from Puget Sound in 1970 and now lives in the Miami Seaquarium). Chris loves biking, running, sailing, and kayaking and is devoted to restoring and protecting the waters of Puget Sound along with all of the species that inhabit it.

(Continued on Page 6)

Heidi Roop, Faculty, NW Climate Initiatives, University of Washington |

Heidi is a climate scientist with a passion for science and communication. She is currently Lead Scientist for Science Communication with the UW Climate Impacts Group (CIG) and an Affiliate Assistant Professor in the UW Department of Environmental & Occupational Health Sciences. Heidi is also a Research Fellow at the Centre for Science in Society at Victoria University of Wellington. Heidi works to improve the reach and impact of CIG research while aiming to understand and quantify the effectiveness of our engagements across the region. Her scientific career has led her to all seven continents where she has participated in research from Alaska and Antarctica to the mountains of Vietnam and New Zealand. Heidi was formerly a Physical Scientist with the United States Geological Survey in Colorado and has developed numerous education and communication products for NASA, the National Science Foundation, GNS Science, and the Exploratorium.

SPEAKER BIOGRAPHIES - WEBINAR, MAY 29

Lylianna Allala, Climate Justice Director, City of Seattle |

Lylianna is dedicated to working across differences to co-develop solutions that will lead us to a more equitable and just world. Her professional background includes leading on climate and environmental policy and outreach for Congresswoman Pramila Jayapal, prescribed burning for habitat restoration, trail-building in Washington's Alpine Lakes Wilderness, and restoring the West Duwamish Greenbelt, Seattle's largest contiguous forest. Lylianna has a B.A. in English from Winona State University, a certificate in Non-Profit Management from Georgetown University, and a certificate in Wetland Science and Management from the University of Washington. Lylianna has a passion for supporting equitable pathways for people of color in climate and environmental work. She led the design and launch of the RAY Marine Conservation Fellowship, the first fellowship program dedicated to increasing representation for people of color in marine conservation, and she helped establish the Seattle chapter of Environmental Professionals of Color. She is a leadership fellow with the Henry M. Jackson Foundation, co-chair of the King County Open Space Equity Cabinet, a

(Continued on Page 7)

longtime volunteer at environmental justice organization Got Green, and a board member for the Short Run Comix & Arts Festival. Lylianna is also a creative partner in the Growing Old Project, a podcast series exploring Seattle's urban forest and the humans that live within it.

Jessica Koski, WA State Policy Coordinator, BlueGreen Alliance | Jessica is the Washington State Policy Coordinator for the BlueGreen Alliance. In this role, she spearheads the program and policy work of the BlueGreen Alliance in Washington.

Prior to joining BGA, Jessica was a Mellon/ACLS Public Fellow and Climate Policy Associate at the Stockholm Environment Institute's US Center. Her work at SEI-US focused on improving public engagement in environmental decision-making and researching policies to facilitate a Just Transition away from fossil fuel extraction. Jessica also worked as an organizer for the Sierra Club, where she mobilized support for transitioning Puget Sound Energy, Washington's largest private utility, off fossil fuels to clean energy and supported community leaders and elected officials in participating in utility regulation. Working collaboratively with a diverse set of partners and clean energy advocates, Jessica worked to hold PSE accountable to the workers at its Colstrip coal plant and low-income ratepayers, helping to secure \$10 million in transition assistance for the community of Colstrip, MT and \$2 million in home weatherization assistance for low-income households.

Jessica holds a Bachelor of Arts in Economics and Women's Studies from Bowdoin College and a Doctorate in Sociology from Northwestern University. Combining insights from the study of social movements, the sociology of law, and science and technology studies, her doctoral research examined the development and politics of human rights approaches to international climate policymaking.

James Rasmussen, Superfund Manager, Duwamish River Cleanup Coalition (DRCC) | James is a founding member of DRCC/TAG, having represented the Duwamish Tribe on the organization's Advisory Council for 10 years before joining the staff as Executive Director/Coordinator in 2011. He served as a member of the Duwamish Tribal Council for 26 years, and as the founding Director of the

Duwamish Tribe's Longhouse and Cultural Center. James has been an active voice in environmental, habitat, and community issues along the Duwamish River and in the Seattle region for over 30 years. James has played a fundamental role in the EPA's formation of the Duwamish Superfund Roundtable, which will inform the next phase of the Cleanup Plan. James served as a member of the Duwamish Tribal Council for 26 years, and as the founding Director of the Duwamish Tribe's Longhouse and Cultural Center.

Jamie Strobel, Climate Action Network, King County | Jamie is King County's Climate Engagement & Partnerships Specialist, serving as the lead on community engagement, climate equity, and communications as it relates to the Strategic Climate Action Plan across all county agencies. Her role builds alliances with public, private, and civic sector partners to develop and implement regional climate solutions, shape decision-making in ways that advance equity and social justice, and benefit public health, mobility, and the economy. Jamie brings over nine years of experience in environmental justice and non-profit work, with a background in culturally-relevant community outreach and engagement, particularly with youth, and immigrant and refugee communities. She currently serves on the board of the non-profit Asian Pacific Islander Community Leadership Foundation (ACLF), on the Climate Justice Committee with non-profit Got Green, and as a Seattle Planning Commissioner. Jamie was also an original member of the City of Seattle's Environment & Equity Initiative Community Partners Steering Committee.

TERMS

Carbon Footprint - The amount of greenhouse gases emitted by something, such as a person's activities or a product's transport, during a given period.

Carbon Offset - An action or activity that compensates for the emissions of greenhouse gases into the atmosphere, such as planting trees or carbon sequestration.

Climate Change - Refers to any significant change in the measures of climate lasting for an extended period of time. In other words, climate change includes major changes in temperature, precipitation, or wind patterns, among other effects, that occur over several decades or longer.

Climate Gap - The disproportionate and unequal impact the climate crisis has on people of color and the poor.

Climate Justice - Looks at the climate crisis through a human rights lens and on the belief that by working together we can create a better future for present and future generations.

Climate Resiliency - The ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate. Improving climate resilience involves assessing how climate change affects risks, and taking steps to better cope with these risks.

Disproportionate Effects - Used to describe situations of concern where there exists significantly higher and more adverse health and environmental effects on minority populations, low-income populations or indigenous peoples.

Environmental Justice - The fair treatment and meaningful involvement of all people regardless of race, color, culture, national origin, income, and educational levels with respect to the development, implementation, and enforcement of protective environmental laws, regulations, and policies.

Environmental Racism - The disproportionate impact of environmental hazards on people of color.

Global Warming - Refers to the recent and ongoing rise in global average temperature near Earth's surface. It is caused mostly by increasing

(Continued on Page 10)

concentrations of greenhouse gases in the atmosphere. While global warming is causing climate patterns to change, it represents only one aspect of climate change.

Greenhouse Effect - A process that causes energy from the sun to be absorbed and released into our atmosphere. While this is a natural process that keeps Earth's temperature livable, the effect gets stronger, and the Earth gets warmer, as we add greenhouse gases to the atmosphere.

Greenhouse Gases - A chemical compound that absorbs solar radiation and emits heat near the Earth's surface; carbon dioxide, methane, and water vapor are all examples. By absorbing infrared, solar radiation, these gases trap heat in the atmosphere and contribute to the greenhouse effect.

Indigenous Peoples - The term includes: state-recognized tribes; indigenous and tribal community-based organizations; individual members of federally recognized tribes, including those living on a different reservation or living outside Indian country; individual members of state-recognized tribes; Native Hawaiians; Native Pacific Islanders; and individual Native Americans.

Marginalized Communities - Groups that are socially excluded for a variety of reasons, including age, physical or mental ability, access to education, geographic location, and economic status.

The Paris Agreement - An agreement within the United Nations Framework Convention on Climate Change that brings all nations into a common cause to undertake ambitious efforts to combat climate change and adapt to its effects.

Social Justice - All aspects of justice— including legal, political, economic, and environmental —and requiring the fair distribution of and access to public goods, institutional resources, and life opportunities for all people.

Structural Inequality - The systematic, pervasive, cumulative, and persistent systems of inequality and discrimination within institutions and societies. Structural inequality operates through social norms, policies, rules, and governance.

RESOURCES

ORGANIZATIONS WE'VE HEARD FROM

- [Duwamish River Cleanup Coalition \(DRCC\)](#)
- [Blue Green Alliance](#)
- [City of Seattle](#)
- [Climate Action Network - King County](#)
- [Na'ah Illahee Fund](#)
- [Port of Seattle](#)
- [Puget Sound Energy](#)
- [Puget Soundkeeper](#)
- [University of Washington](#)

SELECTED RESOURCES ON ENVIRONMENT TOPICS

- [Environmental Protection Agency \(Pacific Northwest\)](#)
- [Environmental News Network](#)
- [Seattle Office of Sustainability & Environment](#)
- [Seattle Times Environment](#)
- [Sierra Club \(Washington Chapter\)](#)
- [United Nations Environment Program](#)
- [Washington Environmental Council](#)
- [World Health Organization \(Q&A on Climate Change and COVID-19\)](#)

TOP 10 LIST OF RESOURCES

1) [ClimateAction Webinar “COVID-19 & Climate Change: What Does This Mean for the Fight Against the Climate Crisis?”](#) | European Space Agency (ESA) (April 30, 2020)

Specialists in their field from organizations including the World Health Organization, European Space Agency, and United Nations discuss the direct impacts of COVID-19 on our climate, our ability to tackle climate change, and how to rebuild green, clean, and more resilient with COVID-19. Running time: 1:35:39.

2) [“Connecting the Dots Between Environmental Injustice and the Coronavirus”](#)

Katherine Bagley | Yale (May 7, 2020)

“Scientist Sacoby Wilson has long focused on health issues related to environmental injustice. In an e360 interview, he discusses how social and environmental inequality have contributed to the outsized impact of COVID-19 on low-income neighborhoods and communities of color.”

3) [“COVID-19 Could Help Solve Climate Riddles”](#)

Adam Levy | Scientific American (April 17, 2020)

“Pollution declines from pandemic shutdowns may aid in answering long-standing questions about how aerosols influence climate.”

4) Podcast & Article: [“What the COVID-19 Curve Can Teach Us about Climate Change”](#)

The Wharton School of the University of Pennsylvania (April 7, 2020)

Wharton Professor Howard Kunreuther discusses the way the pandemic has offered opportunity to increase people’s awareness of another major global risk. Kunreuther and colleague Paul Slovic’s article discuss why the human mind “doesn’t easily grasp the explosive nature of exponential growth.”

Podcast running time: 16:32

5) [“For Young People, Two Defining Events: COVID-19 and Climate Change”](#)

Laura Parker | National Geographic (April 28, 2020)

An unforeseen pairing of catastrophes will inform how Generation Z navigates the world as adults, and what sort of future they create. As leaders in the climate movement, youth activists discuss the intersection of COVID-19 on their climate justice initiatives.

(Continued on Page 13)

6) [“How Climate Change Is Contributing to Skyrocketing Rates of Infectious Diseases”](#)
Abraham Lustgarten | ProPublica (May 7, 2020)

This article discusses the relationship between climate change and infectious disease with a focus on diseases emerged from animals. Studies also show that climate change won't only affect how the diseases spread across the globe, but it will play a role in how easily we get sick.

7) [“Parallel Threats of COVID-19, Climate Change, Require ‘Brave, Visionary and Collaborative Leadership’: UN Chief”](#)
United Nations (April 28, 2020)

UN Secretary General António Guterres says there is “a profound opportunity” to guide the coronavirus pandemic recovery plan on a path that also includes tackling climate change, protecting the environment, and ensuring “the long-term health and security of humankind”.

8) [“As Coronavirus Curbs Ease, What Climate-Smart Policies Should We Lock in Now?”](#)
Laurie Goering | Thomas Reuters Foundation (May 7, 2020)

With countries beginning to ease and lift restrictions set to curb the coronavirus, ideas and policies are being designed, taking into account what we've learned from the ongoing pandemic. Ten ideas are listed in this article to better mitigate the affects of the next pandemic or climate crisis.

9) [“Climate Change and Coronavirus: Five Charts About the Biggest Carbon Crash”](#)
Matt McGrath | BBC News (May 5, 2020)

Graphs shown in this article show the relation to major world events such as war and disease, and the release of greenhouse gases into the atmosphere. Additionally, the demand for resources like coal and jet fuel are compared over previous years.

10) [“How We Can Rebuild A Hardier World After The Coronavirus”](#) Bill McKibben | [The New Yorker](#) (April 16, 2020)

With the planning for life post coronavirus, it is important to engineer out as much ecological havoc as possible while also rebuilding our economies. Scientists from the United States and Colombia are interviewed in this article as well as linking similiar readings.

CIVIC ENGAGEMENT IDEAS

Our region's civic health depends on each one of us getting involved in civic life. Here are four ways you can support your community:

- **Donate:** Give directly to the COVID-19 Community Relief Fund; you can provide donations for food relief, rental assistance, or whatever is identified as the greatest need. [Link](#) + donate to orgs we have heard from today like [DRCC](#) and [Na'ah Illahee Fund](#).
- **Advocate:** Contact your legislators to support unpaid and essential workers during this time after learning more about updates on employment, insurance, and related policies. [Link](#)
- **Learn:** Follow news and blogs about the novel coronavirus (see Seattle Times, Crosscut, The Everygrey and the top 10 resource list).
- **Listen:** Connect with people experiencing the effects of COVID-19 to hear their stories; read the stories of essential workers. [Link](#)



VOLUNTEER OPPORTUNITIES

- **United Way of King County** is looking for volunteers to call community members in King County to connect them with critical resources for COVID-19. Email mverro@uwkc.org or visit their website. [Link](#)
- **American Red Cross** is looking for volunteers in multiple areas including blood donation, engagement volunteers, and program coordinators. [Link](#)
- **Real Change** is looking for volunteers to create care packages for homeless and low-income community members. Email volunteer@realchangenews.org or visit their website. [Link](#)
- **ROOTS**, a young adult shelter, has had nearly 50% of their volunteers step down. They are seeking additional volunteers for in-shelter daytime shifts once per week. [Link](#)
- Multiple organizations are accepting sewn masks, including:
 - friendsofyouth.org
 - greenplatespecial.org
 - casa-latina.org
 - beaconhillpta.org
 - nhwa.org
- **Seattle/King County Clinic** brings together health care organizations, civic agencies, non-profits, private businesses, and volunteers from across Washington to produce a giant free health clinic at Seattle Center. [Link](#)
- **World Relief Seattle** needs help getting household supplies to refugee and asylum-seeking families. [Link](#)

SEATTLE CITYCLUB PROGRAMS

Each year, CityClub provides over 30 public programs that inform, connect, and engage the public to strengthen the civic health of our region.

- **Civic Boot Camp** - A full-day program designed to give participants the tools to take action in the community. [Link](#)
- **Civic Cocktail** - a series of monthly, televised conversations about regional issues with policymakers, community leaders, and newsmakers. [Link](#)
- **Civic Health Index** - our exclusive on-line report that examines trends in Seattle voting, volunteerism, public trust, and other indicators of civic health (updated in 2018). [Link](#)
- **Year in Review** (December) - leaders from multiple sectors reflect on pressing issues and headlines of the past year. [Link](#)
- **Legislative Preview** (January) - convenes top Washington legislators to discuss the upcoming legislative session. [Link](#)
- **WA State Debate Coalition** - free, public, and statewide debates for candidates seeking the highest offices in Washington state. [Link](#)



UPCOMING EVENTS

MAY

29th Civic Boot Camp: COVID-19 and Climate Justice

JUNE

3rd Civic Cocktail

