



# Environmental Leadership Summit



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**April 12, 2019 Program**

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## Biomimicry Design & Sustainable Materials

Sessions 1, 2 // Jordan Miller ◇ American Society of Interior Design

Creating solutions to human challenges by emulating designs and ideas found in nature. Our session will explore the world of bio-mimicry design while highlighting sustainable materials that support a healthier building. Hands on activities will better the understanding of Eco-friendly materials found in LEED and WELL accredited structures and uncover why bio-mimicry is affecting the world of Interior Design.

## Community Solar Gardens

Session 2 // Michael McCabe

◇ Oak Leaf Energy Partners

How do community solar gardens benefit customers and impact the environment around them? Oak Leaf Energy Partners is one of the leading solar energy development companies currently operating in the United States. Learn how independent solar energy developers can work with cities, school districts, and private businesses to create a greener world.



## De-Plastify Your Life

Sessions 1, 2, 3 // Becca Walkinshaw and Rea Kreider ◇ Gallegos Sanitation

Plastics are necessary for our convenient lifestyle. What impact is a disposable lifestyle having on our planet? Come to learn and leave with steps to take action!.

## EnergiLab Uncovered

Double Session 1 & 2 // Joe Callahan ◇ EnergiLab

A "Behind the scenes" look at EnergiLab LLC, a hands-on energy educational program for K-12 students where the key component is "Making energy fun". Participate in hands-on activities (pedal-powered dance party, solar oven, etc.), interactive Rapid Prototyping and a look at the solar industry, the inspiration behind the company.

## Engage in Energy Efficiency

Sessions 1, 2, 3 // Steve Roalstad and Alaina Hawley ◇ Energy Solutions Engineer

With Platte River Power Authority's exciting new goals, energy efficiency is more important than ever. Come learn about careers in the energy industry and specifically energy efficiency that will allow you to make your mark.



◇ See back of program for full schedule ◇

## Environmental Films and You

Sessions 1, 2, 3 // Nicole Bickford ◇ Colorado Environmental Film Festival  
How do young people become successful environmental filmmakers?  
Explore several new environmental short films and chat with our team about local issues and how you can turn your interest into a film project!



## From Proposal to Presentation

Session 1 // Madison Torrey and Jack Kraus ◇  
Fossil Ridge AP Environmental Science  
You might have heard about the Caring for Our Watersheds contest, but here you get the chance to hear straight from a group of students who are actually in it! Learn the process - finding an idea, writing a proposal, creating a budget and timeline, actual implementation, and the final presentation!

## Ignite Cafe

Session 1 // Jonnie Salmon ◇  
Nathan Parker ◇ Gracie Finnegan ◇ Maddy Chong  
Come see handpicked student Ignites about every aspect of environmentalism! From emissions to celebrities, there's something for everyone. Take a seat, grab some food, and get cozy in our cafe.

## Invasion: A Hidden Threat to our Native Biodiversity

Sessions 1, 2 // Tim Smyser ◇ Biologist, National Wildlife Research Center  
How do biologists study invasive species and learn how to control them? Examine the use of cutting edge scientific tools to inform and guide the control of invasive species, and how this can improve our wildlife.



## Leave No Trace

Sessions 1, 2, 3 // Dr. Sunshine Swetnam ◇  
Human Dimensions of Natural Resources, CSU  
Explore the seven principles of Leave No Trace outdoor ethics. A hands on, interactive, experiential group session. Upon completion, students will be certified in Leave No Trace Awareness Workshop!



## Let's Play with Fish

Sessions 1, 2, 3 // Donald Tuttle III ◇  
Colorado State University-Larval Fish Lab  
Come learn about the cool Native Fish of Colorado and the future challenges they face. We will also look at many preserved fish up close. Can you see the differences? You will after this class!



## Make Every Career an Environmental Career

Session 3 // Martin Ogle ◇ Entrepreneurial Earth LLC  
Can we make the world a better place through whatever career we might choose? The answer is "Yes!" Explore how our livelihoods and even our hobbies can nourish us and the living systems upon which we depend. Learn ways that environmental principles can guide ALL careers, not just "environmental careers."

## Mattress Recycling Matters

Session 1 // Roberto Valdez ◇

Spring Back Colorado

20-40 million mattresses end up in US landfills every year. Spring Back Colorado breaks down and recycles over 90% of each mattress they receive. Why does this matter? Learn about the enormous impact recycling has on a community, both environmentally and socially.

## Shark Tank

Sessions 1, 2, 3 // Greg Over and Kayla Betzold ◇

City of Fort Collins Utilities

Inspired by the popular TV show, Climate Shark Tank makes talking about climate change FUN. We'll discuss our City's climate goals, introduce innovative local and global strategies for reducing emissions, and give your students the chance to make the perfect "pitch" for climate action projects. This program is perfect for creative and competitive groups—sustainable prizes are on the line!



## Save Water Eat Dirt

Sessions 1, 2, 3 // Katie Collins and Kelly Doyle ◇

Water Conservation, City of Fort Collins  
Test your water literacy, learn what's going on in the world of water conservation, and become part of the conversation around the future of our water supply in the event of a drought in this fun, interactive session.



## Sustainable by Design

Sessions 1, 2 // Brianne Smith ◇ RB+B Architects

Buildings use energy, resources and human capital for decades - the way we design makes a significant impact on our environment. The new PSD high school prototype will be used as an example to illustrate sustainable design, and the impact design has on our community.

# Opening Keynote

## Nick Venner

Age 17 ◇ Lakewood, Colorado

Nick is one of 21 kids involved in Juliana vs United States, a case suing the government over their legal right as the youngest generation to a stable climate. Nick will speak about the delay on research on health effects of air pollution beyond cardio and respiratory, and how it's not being taken into account.

*"I chose to join the case because it sounded like something I could actually do... We are the future. They will be long gone before the long-term effects of climate change ever hit them. It's about my kids."*



# ◇ Let us know what you think! Survey on website ◇

## Wait... students did this?

Session 3 // Gabriela Carcasson ◇ Maddy Chong ◇ Cole Mason

Meet with some of the student coordinators of the Environmental Leadership Summit to share and discuss ideas for how to start your own environmental club, take an existing organization to bigger heights, and get a glimpse into the “behind the scenes” of how the Summit was created.



## What can you do to improve your watershed?

Sessions 2, 3 // Ivonne Morales ◇ Caring for Our Watersheds

Learn what a watershed is and how you can take action to improve yours. Discover the environmental issues that exist in our watershed using an interactive model, and also explore projects that high school students have implemented in their communities to address the concerns they had about their watershed. Learn how you can receive implementation funding and cash prizes from our contest!

## What is Community Solar?

Sessions 1, 2, 3 // David White ◇ Poudre Valley REA

Learn the difference between community solar and private solar and how each benefits and challenges consumers, the grid, and the environment.



## Wolves 101

Session 2 // Michelle Proulx ◇ Director of Animal Care & Educational Programs, W.O.L.F. Sanctuary

Have you ever seen a wolf in person?

Learn the basics of wolf biology, behavior, and ecology as well as the captive wildlife crisis. Plus, get the chance to meet a live wolf!

## Closing Keynote

### Kynn timer Martin

Senior Foundation Representative

◇ Xcel Energy

A commended army veteran and member of veteran advisory boards, Kynn timer Martin is responsible for the coordination of statewide corporate social responsibility activities for Xcel.



Xcel Energy is the number-one wind energy provider and the number-five solar provider in the country. They have also created the Colorado Energy Plan:

- 50%+ of energy from low-cost, clean energy sources by 2026
- reduce carbon emissions 60 percent in less than a decade
- deliver 100 percent carbon-free electricity to customers by 2050

Room	Session 1 9:30 - 10:20	Session 2 10:30 - 11:20	Session 3 12:00 - 12:50
Round House	Ignite Cafe	Wolves 101	
Career Center	EnergiLab Uncovered	EnergiLab Uncovered	Make Every Career an Environmental Career!
Media Center	What is Community Solar?	What is Community Solar?	What is Community Solar?
Court yard	Leave No Trace	Leave No Trace	Leave No Trace
313	Mattress Recycling Matters	What can you do to improve your Watershed?	What can you do to improve your Watershed?
W103	Shark Tank	Community Solar Gardens	Shark Tank
W105	De-Plastify Your Life	De-Plastify Your Life	De-Plastify Your Life
W107	Biomimicry Design	Biomimicry Design	Let's Play with Fish!
W109	Engage in Energy Efficiency	Engage in Energy Efficiency	Engage in Energy Efficiency

Room	Session 1 9:30 - 10:20	Session 2 10:30 - 11:20	Session 3 12:00 - 12:50
W102	Invasion: A Hidden Threat to our Native Biodiversity	Invasion: A Hidden Threat to our Native Biodiversity	
W104	Environmental Films and You	Environmental Films and You	Environmental Films and You
W106	Sustainable by Design	Sustainable by Design	Sustainable by Design
W108	Save Water Eat Dirt	Save Water Eat Dirt	Save Water Eat Dirt
W110	From Proposal to Presentation		Building Freshy Fresh

## Lunch

- ◇ Pizza and other snacks for sale in cafeteria ◇
- ◇ Check out EnergiLab activities ◇
- ◇ Don't forget to compost and recycle! ◇

# ◇ Schedule ◇

## Check In & Registration

Welcome!

Don't forget to get your raffle ticket, and start exploring our program to see what sessions you might want to see!

9:00

Opening  
Keynote  
Nick Venner  
9:00

First Breakout Session ◇ 9:30 - 10:20

Second Breakout Session ◇ 10:30 - 11:20

Lunch

Third Breakout Session ◇ 12:00 - 12:50

1:30

Closing  
Keynote  
Kynn timer  
1:00

Dismissal  
Thank you so much for joining us!  
Survey on [elsummit.org](http://elsummit.org)  
We hope you had an amazing and inspiring experience!