

GRASSROOTS COMMUNITY CARBON CONVERSATIONS

AN IMPORTANT INGREDIENT TOWARD ACHIEVING COMMUNITY DECARBONIZATION GOALS

Sebastopol Carbon Conversations Empowering Local Climate Action

SPRING 2023

February 1st, 2023 * SoCo Climate 2050
Wednesday 7pm. Sebastopol Grange

Premier of the video "Sonoma County Climate 2050" The video is based on the most recent studies conducted by the United States Geological Survey, the US Department of Forestry, and the National Oceanic and Atmospheric Association. It answers several questions about the future climate of Sonoma County, including: will we have fires, fog, and water in 2050? What trees will we be growing? The projections and answers in the video are based on climate modeling. While the video presents a concerning picture of the potential impacts of climate change on Sonoma County, it also offers hope and highlights the potential for positive change. The video presentation is made by **Dr. Emily Schoeninger** from American Resiliency and has been requested and funded by community members of **Sebastopol Grange**.

March 1st, 2023
Rainwater Cisterns in the drought era.
The Salmon Creek experience.
John Green, Goldridge RCD
April 5th, 2023
Electrifying Your Home.
The shift to Clean Energy starts at home.
Sean Armstrong, Redwood Energy
May 5th, 2023
Teaching Climate
Youth-led Climate Solution projects
June 7th, 2023
Electric Vehicles and Charging Infrastructure

Electrify Your Home

Burning fossil fuels for heating and cooking poses a serious threat to our health and the planet — making buildings and homes the largest source of climate pollution in the world. Here in California, buildings are second only to transportation as the leading cause of climate change.



Sean Armstrong
Redwood Energy

At this Carbon Conversation we'll hear from **Building Decarbonization expert Sean Armstrong of Redwood Energy** about products and strategies for electrification that work. In addition to eliminating methane pollution, improving comfort, and stabilizing your energy bills, electrifying homes combined with a clean energy electrical grid helping achieve carbon reduction goals. We'll learn what is possible, why do this, share examples & strategies, how to pay for it, energy savings, and where to get help to do it. Several Local residents will also share their experience with electrification.



Cosponsored by
BAYREN
Bay Area Youth Resiliency Network



Rainwater Cisterns

The Salmon Creek Experience

A 500,000 gallon Rainwater Cistern is near completion at Salmon Creek School in Occidental. A prime goal of the cistern is to help improve creek flows during the dry months for salmon. An equally important goal is to improve water resiliency at the school. With droughts longer and winter water arriving buckets via atmospheric rivers, capturing rainwater in cisterns is one way to store the abundance for times of deficiency.



John Green, Lead scientist & Program manager at Gold Ridge Resource Conservation District, will share about how rainwater cisterns are being deployed in the Salmon Creek Habitat to restore creek flows along with the design process & features of the Salmon Creek School cistern. We'll also explore how rainwater cisterns could be utilized in other settings, such as homes. Water is life. How much and when it is available to us and our area habitat is changing. Rainwater cisterns are another tool as we learn to adapt to the impacts of climate change.

No cost to attend, but please RSVP to reserve a seat. Donations welcome.



"Conventional wisdom has long held that the world cannot be fed without chemicals and synthetic fertilizers. Evidence points to a new wisdom: The world cannot be fed unless the soil is fed. Regenerative agriculture enhances and sustains the health of the soil by restoring its carbon content, which in turn improves productivity—just the opposite of conventional agriculture." Source: Project Drawdown. <https://www.drawdown.org/solutions/food/regenerative-agriculture>

Speakers:

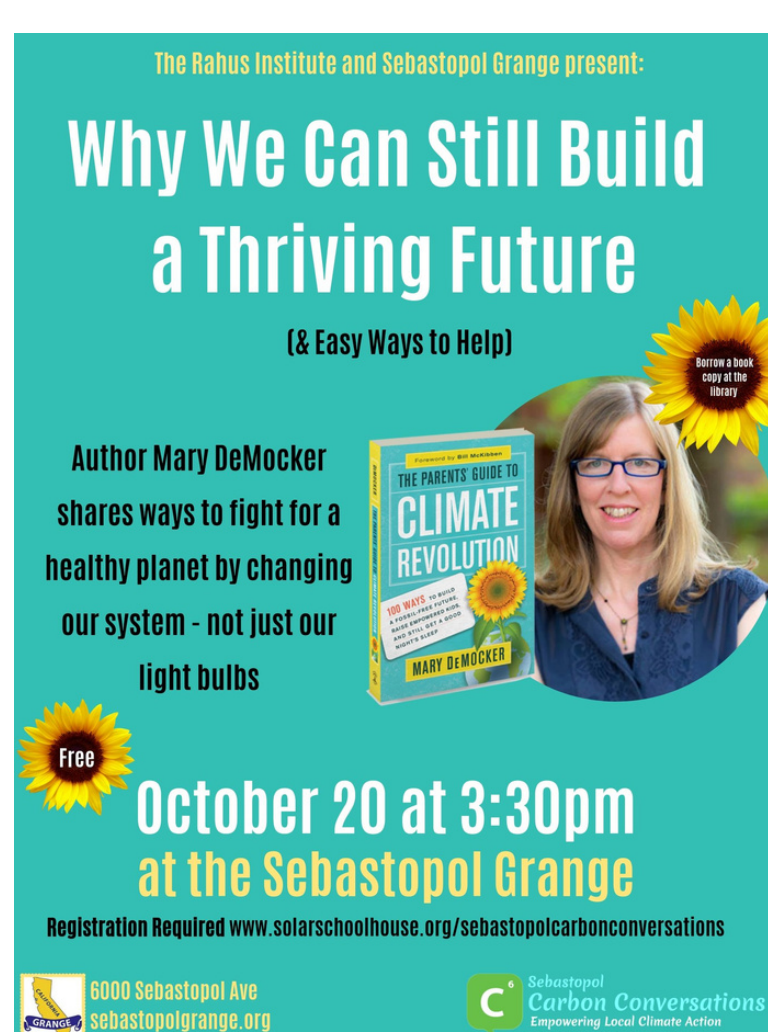


Lauren Lum, California Climate & Agriculture Network. Healthy Soils = A Natural Climate Solution. Policies to accelerate Regenerative Ag.



Elizabeth Kaiser, Singing Frogs Farm, No-Till Farming Practices & Carbon Sequestration Benefits

Sebastopol Carbon Conversations Empowering Local Climate Action



Project Drawdown provides a menu to explore & inspire

Results

attendance ~50-100 per event

People appreciate connecting with people.

Sebastopol Carbon Conversations Empowering Local Climate Action

Sebastopol Carbon Conversations
Grassroots initiative by The Rachus Institute
Fall 2019 -March 2020, 2021 (online)
Spring 2023

How to formulate a Carbon Conversation

- Pick a solution (Adaptation, Resiliency, Mitigation)
- Find local org or person working on the solution
- Share information and ways to engage.

Replicate in other Communities



View current and archived Carbon Conversations at

rahus.org/scc