



AGENDA
COMMISSION ON THE ENVIRONMENT
WORKSHOP
WEDNESDAY, APRIL 26, 2017
6:00 PM
COMMUNITY ROOM
420 CAPITOLA AVENUE, CAPITOLA, CA 95010

CALL TO ORDER AND ROLL CALL

Commissioners: Cathlin Atchison, Jacques Bertrand, Bella Hammond, Alyssa Millwood-Donahue, Kailash Mozumder, Megan Sixt and Chair Peter Wilk

OTHER BUSINESS

1. Oath of Office for Commissioner Megan Sixt and Student Ex-Officio members Bella Hammond and Alyssa Millwood-Donahue

DISCUSSION

1. 2017 Work Items
 - **Eco Walk.** Pursue the creation of a self-guided tour of Capitola focusing on ecological highlights throughout the town. This would include a map, illustrations and background information. The goal is to have this plan detailed enough to apply for a "Whale Tail" funding grant. Commissioners Mozumder/Wilk.
 - **Peery Park.** Continue efforts on this Soquel Creek restoration project with the goal of getting Fish and Game permission and begin work on the creek banks. Commissioner Wilk
 - **Escalona Creek Restoration.** Pursue whether Commissioner Bertrand
 - **Carpooling Promotion.** Pursue the establishment of a rideshare program and parking location. Commissioner Bertrand
 - **HERO Energy savings.** Work with local realtors to determine what might be an acceptable energy savings goal for new and resale housing. The model would be to have something similar to what is in place in San Francisco and Berkeley. Commissioner Bertrand
 - **Central Coast Climate Collaboration (4C's).** Expand the committee's reach with more active participation in this committee (and perhaps others). Commissioners Bertrand/Atchison
2. Participation in regional organizations such as 4c (Central Coast Climate Collaborative) and Monterey Bay Climate Action Group

ITEMS FOR NEXT AGENDA

ADJOURNMENT: The Commission adjourned to a Regular Meeting on Wednesday, May 24, 2017

Notice: The Commission on the Environment meets on the fourth Wednesday of each month at 6:00 PM in the Community Room located at 420 Capitola Avenue, Capitola.

Agenda and Agenda Packet Materials: The Commission on the Environment Agenda is available on the City's website: www.cityofcapitola.org/ on Friday prior to the Wednesday meeting. If you need additional information please contact the Public Works Department at (831) 475-7300.

Americans with Disabilities Act: Disability-related aids or services are available to enable persons with a disability to participate in this meeting consistent with the Federal Americans with Disabilities Act of 1990. Assisted listening devices are available for individuals with hearing impairments at the meeting in the City Council Chambers. Should you require special accommodations to participate in the meeting due to a disability, please contact the City Clerk's office at least 24-hours in advance of the meeting at 831-475-7300. In an effort to accommodate individuals with environmental sensitivities, attendees are requested to refrain from wearing perfumes and other scented products.

CITY OF CAPITOLA COMMISSION ON THE ENVIRONMENT
PROPOSED ECOTOUR

Version 5-Spring/Summer 2012/Staff Edit 9/16

CONCEPT: *Building on the success of the Santa Cruz EcoTour launched summer 2012 (see www.greenwharf.org/EcoTour), the Capitola EcoTour is envisioned as a self-guided, and potentially a limited guided, walking tour that features environmental stewardship and issues unique to Capitola. Eco tourists will access tour information either via brochures distributed at key locations within the City, from smart-phone enabled web content on tour stop signage, guided tour leaders, and via a City website extension dedicated to the tour that contains a printable map of the stops. Each stop on the tour, "GreenSpots," will be identified by branded signage that includes a QR scan tag to enable smart phone users to obtain more information about the particular issue or organization featured at the stop. GreenSpots will feature existing or new interpretive signs mounted at stops. Print and electronic promotion of EcoTour will enable exposure of the tour and its partner organizations and businesses. Estimated expenditures to launch the tour will be offset by grants. Ongoing expenses to maintain and operate the tour are zero and the guided tour possibility will be lead by volunteers from the Capitola Museum. UCSC IDEASS interns will provide the labor to plan and execute the tour over the 2012-2013 academic year. The IDEASS program needs confirmation of our project by the start of the school year, September 26, 2012.*

PROPOSED "GREENSPOTS" (stops on EcoTour):

In general, include a beautiful, meaningful environmental quote at each stop...for reflection.

- Capitola Wharf
 - First stop: What is environmental sustainability (3 E's or 3 P's)? How can we work to make our cities more sustainable for present and future generations of humans and other living organisms with which we share the planet? What action can you take? What is the seventh generation Iroquois philosophy?

Iroquois Philosophy defined by Wikipedia: Seven generation stewardship is a concept that urges the current generation of humans to live and work for the benefit of the seventh generation into the future. It originated with the Iroquois - Great Law of the Iroquois - which holds appropriate to think seven generations ahead (about 140 years into the future) and decide whether the decisions they make today would benefit their children seven generations into the future. It is frequently associated with the modern, popular concept of environmental stewardship or 'sustainability' but it is much broader in context (see the quotation below relative to "in ALL your deliberations ...").

"In every deliberation, we must consider the impact on the seventh generation... even if it requires having skin as thick as the bark of a pine." This is an often repeated saying, and most who use it claim that it comes from "The Constitution of the Iroquois Nations: The Great Binding Law."

In fact, the original language is as follows: "In all of your deliberations in the Confederate Council, in your efforts at law making, in all your official acts, self-interest shall be cast into oblivion. Cast not over your shoulder behind you the warnings of the nephews and nieces should they chide you for any error or wrong you may do, but return to the way of the Great Law which is just and right. Look and listen for the welfare of the whole people and have always in view not only the past and present but also the coming generations, even those whose faces are yet beneath the surface of the ground – the unborn of the future Nation."

Oren Lyons, Chief of the Onondaga Nation, writes: "We are looking ahead, as is one of the first mandates given us as chiefs, to make sure and to make every decision that we make relate to the welfare and well-being of the seventh generation to come. ... What about the seventh generation? Where are you taking them? What will they have?"

- Environmental Significance of the Monterey Bay National Marine Sanctuary (MBNMS)
- Save Our Shores Pollution Prevention (a partner on SC EcoTour)
 - Bait Tanks cigarette butt container
 - Possible interpretive sign
- Ocean Conservancy
- Stockton Bridge/Soquel Creek Wetland

**CITY OF CAPITOLA COMMISSION ON THE ENVIRONMENT
PROPOSED ECOTOUR**

Version 5-Spring/Summer 2012/Staff Edit 9/16

- Existing interpretive sign describes how wetland retains runoff and plants retain toxic substances, allowing a cleaner flow to creek/ocean
- Soquel Creek at Stockton Street Bridge East Side
 - Environmental significance of Soquel Creek Watershed (SCW)
- Bandstand Park overlooking sandstone fossil area
 - Possible interpretive sign location
- “86” stairs
 - Proceed up the stairs for a lovely view of the MBNMS. Walk down the path to view the Bay from above
- Capitola Museum
 - Natural History exhibit? How much do you know about the natural history of MBNMS and the SCW- thinking seven generations ahead. Maybe an exhibit on what the COE has done, GPAC’s CAP
- Perry Park Bridge
 - Existing interpretive sign
 - Sense of Place- What do you know about bioregionalism, sense of place.
- Sullivan Green Home, Garden & Bio swale
- Drought Tolerant Garden beside Shadowbrook Parking Lot
 - Feature existing interpretive sign
- Capitola Beach/Natural Bridges
 - Existing sign near the bandstand- talks of Bay trail
 - Water Quality information
 - Possible site for interpretive sign
 - Website link to Santa Cruz County Environmental Health
<http://scceh.com/Home/Programs/WaterResources/WaterResourcesDocuments/Links/CurrentWaterQualityInformation.aspx>
 - Last Stop- Name 5 ways that you can take action in Capitola or in your city to make it more environmentally sustainable.

Website can include “shout outs” to recognize Village’s certified Green Businesses. Other consideration is gaining City approval on sign placement and mounting.

POTENTIAL FUNDING/EXPENSES:

Anticipated Expenses:

Check plots of tour concept, maps and signs (\$60/each x 6 = \$360)

GreenSpot identification signs = \$75/each x 10 each = \$750)

Interpretive signs (6 @ \$400/each = \$2,400)

Brochures (500 @ \$1.20 each = \$600)

Post mounting of some interpretive signs/Greenspots (\$200/each x 6 = \$1,200)

Graphic design (\$1,200)

Basic Mobile Ranger Cost = \$10,000

Possible funding:

- Coastal Commission Whale Tail – see attached grant information
 - Deadline is November 1, 2016
- UCSC Carbon Fund
 - Deadline is November 13, 2016

**CITY OF CAPITOLA COMMISSION ON THE ENVIRONMENT
PROPOSED ECOTOUR**

Version 5-Spring/Summer 2012/Staff Edit 9/16

Excerpt from Carbon Fund Application Guide:

Climate Change is one of the biggest challenges facing society and the future of today's students. There is a clear scientific consensus that the danger to both humanity and the earth's ecosystems is very real. In response, communities around the world are working towards mitigating the severity of Climate Change. As an institution, UCSC must reduce its carbon footprint in accordance with federal law, state law, and UC system-wide policies. As a university UCSC is a signatory to the national American College and University President's Climate Commitment, as well as the regional Climate Action Compact with the city and county. As a community, individuals and groups within UCSC have shown a desire to reduce their negative impact on the climate through initiatives to reduce greenhouse gases and spread awareness.

In 2006 UCSC students passed Measure 26, taxing themselves \$3 per student per quarter to buy Renewable Energy Certificates (RECs) in order to offset the climate impact of campus electricity purchases. In 2010 UCSC students changed the use of the funds through the passage of Measure 44. The amendment allowed funds to be used for on-site renewables and energy efficiency projects that will directly reduce our campus' carbon footprint. This created UCSC's Carbon Fund to be a new point of pride and leverage in reducing UCSC's carbon footprint. The Fund works towards recreating UCSC as an operationally carbon neutral campus while providing faculty with an opportunity for research and students with the tools they need to move towards a more sustainable future.

Project proposals may be submitted by UC Santa Cruz students, staff, faculty, and members of the community involved with the campus.

PROMOTION:

Print:

Santa Cruz Sentinel
Santa Cruz Good Times Community Page (Free)
Capitola/Soquel Times
Santa Cruz Weekly Community Page

Social Media:

Mobile Ranger
City website
Capitola/Soquel Chamber of Commerce Facebook Page
Capitola Village Facebook Page

Brochure Distribution:

Capitola Museum
Capitola City Hall
Capitola Chamber of Commerce

CITY OF CAPITOLA COMMISSION ON THE ENVIRONMENT PROPOSED ECOTOUR

Version 5-Spring/Summer 2012/Staff Edit 9/16

POSSIBLE LABOR ASSISTANCE:

UCSC Sustainability Office

Impact Designs: Engineering and Sustainability through Student Service (IDEASS)

IDEASS is a service-learning program designed to empower students to face challenges of the 21st century. IDEASS takes a hands-on approach to solution-driven collaboration, drawing from multiple disciplines to produce projects that combine cutting-edge technology with responsiveness to the social, ecological, and economic issues of our time

How It Works

Students work together in teams with professional mentors to design and implement a project related to sustainability in this yearlong upper-division course which gives students a hands-on introduction to potential career paths in the growing green-tech economy.

IDEASS has led to many alumni being offered jobs in fields related to their projects when they graduate. At the same time, students are able to fulfill their senior exit credit for an array of majors, including Environmental Studies.

An IDEASS team assisted in the execution of the Santa Cruz EcoTour in 2012.

Santa Cruz Green Wharf



The collaborative agreement between the City of Santa Cruz and UCSC to partner in efforts to reduce greenhouse gas emissions and increase environmental awareness has resulted in the creation of the GreenWharf project. As a research and demonstration site, the GreenWharf combines a number of more specific initiatives such as the creation of a renewable energy test bed, mounting an electrical vehicle charging station, furthering a green business program, and the launch of the Santa Cruz Wharf EcoTour.

IDEASS collaboration with the GreenWharf project is now in its fourth year enabling students to work on several initiatives including: installation of a renewable energy test bed (wind and solar sensors, a vertical axis wind turbine, and a solar panel) and data analysis; promoting Ecology Action's RightLights program and the Monterey Green Business program to wharf businesses; design and launch of docent-led and self-guided EcoTour supported by interpretive signs and QR code access points in collaboration with Long Marine Lab; plans and preparation for a public access electric vehicle charging station. For 2012/2013 students are focused on waste-to-fuel recycling with particular emphasis on biosolids and waste grease processing.

Propose Future Projects:

You are invited to suggest a project for a team of IDEASS students. This is a great way to educate and involve students in your organization or entrepreneurial idea. In return, you will benefit from nine months of the careful planning, hard work, creative thinking, and fresh perspectives that these undergraduate teams bring to each endeavor.

Questions to submit to the Program Director for project consideration: 1. What are the driving needs that this project should meet? Describe some of the desired outcomes/deliverables.

CITY OF CAPITOLA COMMISSION ON THE ENVIRONMENT

PROPOSED ECOTOUR

Version 5-Spring/Summer 2012/Staff Edit 9/16

2. Please list major stakeholders, and at least one professional who could act as the primary project mentor. The IDEASS model works best when there is an outside professional involved. As a rule of thumb this person spends 1.5 hours every other week meeting with the team, but maintains regular correspondence by phone, skype, email, etc.

NEXT STEPS:

- Presentation to COE by Julia Gaudinski of Mobile Ranger
- Work to develop a concrete feasible project with clear goals, measurable objectives, defined audience, workable project design and a clear plan for implementation

City of Capitola
Peery Park Habitat Restoration Project

VOLUNTEERS NEEDED

Students receive community service credit



Before First Removal



End of 2016 Season with new native planting

Come join us **Sunday, April 30th** from 1:00 P.M. until 3:30 P.M. to help remove the invasive English Ivy as the first step in returning Peery Park to its natural riparian habitat. English Ivy is not native to the area and is harmful to indigenous plants and animals.

Instructions and tools will be provided on site. Rain cancels this event.

Peery Park is located in Capitola, behind the Bay Avenue Nob Hill grocery store by the foot bridge.

If you are interested in volunteering, please contact Danielle Uharriet, Environmental Projects Manager, by phone at 831.475.7300 x218 or e-mail at duharriet@ci.capitola.ca.us. For questions or more information contact the City of Capitola Commission on the Environment Commissioner Peter Wilk at petergwilk@gmail.com or call 510.378.2769.

All volunteers will be required to sign a release of liability. If a volunteer is under the age of 18, a parent or guardian must sign the release.

