CITY AND BOROUGH OF SITKA

Meeting Agenda Sustainability Commission

Officers: Chair Katie Riley, Acting Vice Chair Elizabeth Bagley, Secretary Carol Voisin Members: Aurora Taylor, Fernanda Zermoglio, Lilli Garza, Erik de Jong Staff Liaison: Bri Gabel, Sustainability Coordinator

Assembly Liaison: Kevin Mosher

Tuesday, December 5, 202	23
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7:00 PM

Harrigan Centennial Hall

- I. CALL TO ORDER AND ROLL CALL
- II. CONSIDERATION OF THE AGENDA
- III. CONSIDERATION OF THE MINUTES

Approve the November 7, 2023 Minutes

- IV. PERSONS TO BE HEARD (not to exceed 3 minutes on topics off the agenda)
- V. REPORTS
- VI. UNFINISHED BUSINESS
 - A. Update and Next Steps From Working Groups
- **VII. NEW BUSINESS**
 - B. Recommend Approval of the Scope of the Sitka Community Renewable Energy Strategy
- VIII. PERSONS TO BE HEARD (not to exceed 3 minutes on topics on or off the agenda)
- IX. SET NEXT MEETING DATE AND AGENDA
- X. ADJOURNMENT

Sitka Sitka December 2, 1971

CITY AND BOROUGH OF SITKA

Meeting Minutes Sustainability Commission

Officers: Chair Katie Riley, Vice Chair (Vacant), Secretary Carol Voisin Members: Elizabeth Bagley, Aurora Taylor, Fernanda Zermoglio Staff Liaison: Bri Gabel, Sustainability Coordinator

Assembly Liaison: Kevin Mosher

Tuesday, November 7, 2023

6:00 P.M.

Harrigan Centennial Hall

I. CALL TO ORDER AND ROLL CALL

Staff Liaison Gabel called the meeting to order at approximately 6:03 P.M.

Present: Elizabeth Bagley, Katie Riley (Telephonic), Carol Voisin, Fernanda Zermoglio,

Kevin Mosher (Assembly Liaison)

Absent: Aurora Taylor (unexcused)

Staff: Bri Gabel (Sustainability Coordinator)

Public: Bruce Belley, Barb Bingham, Erik de Jong, Larry Edwards

II. ELECTION OF ACTING VICE CHAIR

Voisin moved to nominate Bagley as Acting Vice Chair; Bagley accepted the nomination. Bagley was ELECTED as Acting Vice Chair by 4-0 roll call vote.

III. CONSIDERATION OF THE AGENDA

Gabel proposed that unfinished business be addressed after new business. Seeing no objections, the agenda was changed.

IV. CONSIDERATION OF THE MINUTES

Approve the October 16, 2023 minutes.

Bagley moved to approve the October 16, 2023 minutes. Motion PASSED 4-0 by roll call vote.

V. PERSONS TO BE HEARD (not to exceed 3 minutes on topics off the agenda)

None.

VI. REPORTS

Staff: Gabel updated on the commission on seat applications and that the appointment of new commissioners would occur at the next Assembly meeting the following week.

Commissioners: Voisin invited all attending to an event hosted by Transition Sitka on November 12th.

Riley announced that she would give a report to the Assembly at their next meeting summarizing the accomplishments of the Commission since their annual work plan was approved six months prior.

Zermoglio described some resources from her recent work that could be useful for the Sitka Community Renewable Energy Strategy (SCRES) scoping.

Assembly: Mosher thanked Kent Barkhau for his service on the Commission.

Tourism Task Force: Barb Bingham announced an upcoming town hall on November 13th.

CITY AND BOROUGH OF SITKA Page 1 of 2

VII. UNFINISHED BUSINESS

A. Updates and Next Steps for Working Groups

Greenhouse Gas Emissions Inventory: Did not have a report.

Public Energy Education: Did not have a report.

Public Engagement Planning: Communicated with the technical team for requests for some potential events and outlined avenues they identified for more engagement.

Gabel announced that members of the technical team would be in Sitka on December 4th and 5th and that she would coordinate with the working groups to schedule some public engagement. She added that she was working on getting a site put together for the SCRES.

Working groups were reorganized; Greenhouse Gas Emissions Inventory was dissolved and Zermoglio joined Riley and Taylor on the Public Engagement Planning working group.

VIII. NEW BUSINESS

B. Review Community Scoping Survey for the Sitka Community Renewable Energy Strategy

Gabel gave a brief introduction to the survey draft and explained how questions in the survey aimed to help answer the guiding questions approved by the Commission at their previous meeting. Commissioners provided feedback on the content, length, and flow, focused on increasing clarity and succinctness of the overall survey.

C. Review Community Greenhouse Gas Emissions Inventory Draft Scope

Andrea Mott introduced the draft of the Greenhouse Gas Emissions Inventory, provided a brief overview of definitions, and explained the reasoning behind some of the omissions. Commissioners provided Mott with feedback and suggestions to make the inventory more specific to Sitka, such adding propane for heating, an emphasis on wastewater, and including air and marine transportation and shipping as much as possible.

Larry Edwards advocated for air travel and marine shipping to be included in the inventory.

IX. PERSONS TO BE HEARD

Bruce Belley emphasized the question should be how much do citizens want to add to the electric demand and what renewables can meet immediate demand?

Edwards asked that the term "energy" be clarified in the survey.

Zermoglio urged the Commission to standardize its messaging with clear talking points and without alarm.

X. SET NEXT MEETING DATE AND AGENDA

The next meeting was scheduled for December 5, 2023 at 6:00 P.M., in Harrigan Centennial Hall.

XI. ADJOURNMENT

Bagley moved to adjourn the meeting.

Seeing no objection, the meeting ADJOURNED at 8:02 P.M.

Minutes By: Carol Voisin, Secretary

ETIPP Technical Assistance Project Scope

Community: Sitka, AK

Project Title

Sitka Community Renewable Energy Strategy

Points of Contact

Below are the individuals who can be contacted to obtain information about any aspect of the project. If the people below do not have an answer, they can ask the people who do.

- Community Representative: Bri Gabel, Sustainability Coordinator, City and Borough of Sitka, bri.gabel@cityofsitka.org
- Regional Partner: Haleigh Reed, Microgrid Project Manager, Renewable Energy Alaska Project, hreed@realaska.org
- Technical Lead: Molly Grear, Environmental Engineer, Pacific Northwest National Laboratory, molly.grear@pnnl.gov

Background Community

The City and Borough of Sitka is a remote community off the southwest coast of Alaska, accessible only by boat or plane. As a self-sustaining grid, Sitka relies almost entirely on local hydropower generated at the Green and Blue Lake dams and uses diesel as needed.

ETIPP Project Summary

The ETIPP program is a multi-organizational collaboration to provide technical assistance to Sitka for energy assessments, greenhouse gas inventories, and assist in public outreach and energy education. These projects aim to provide critical expertise in engineering, grid resilience, and energy use to understand current use, future needs, and options for meeting those needs. Sitka was part of the ETIPP Cohort 1 in 2021 which focused on renewable energy assessments in the area and is now participating in cohort 3, a more directed effort to expand public awareness around their energy use, gather public input on strategic vision, and explore opportunities for expanding and strengthening their power generation profile long-term.

Goals & Anticipated Impacts

- Establish a shared vision of Sitka's energy future to guide energy-related community decisions.
- Shape a roadmap for community and policy actions that advance the shared energy vision.

Stakeholders

Name	Org	Title	Email	Role	Expertise
Bri Gabel		Sustainability Coordinator			
Katie Riley		Sustainability Commission Chair			
John Leach		Acting Electric Department Director and City Administrator			
Amy Ainslie		Planning Department Director			

Implementation: Activities and Deliverables

Activity 1: Community Engagement

Pacific Northwest National Laboratory (PNNL) will assist the City and Bureau of Sitka (CBS) in the development and implementation of a multifaceted approach for public engagement in Sitka while reviewing energy status, needs, energy potential, and scoping of future energy goals as they are developing the Sitka Community Renewable Energy Strategy (SCRES). This effort aims to utilize surveys, in-person events, and educational outreach materials to increase energy literacy in the community and engage as many perspectives as possible to inform a community vision for renewable energy. The precise nature of what events, methods, and objectives in this process will be determined alongside the community throughout the project. As this process progresses, PNNL will provide analysis of the community's energy portfolio or potential opportunities to inform community visioning and decision making, as well as support in facilitation and community engagement.

Deliverables:

- 3-4 site visits, including workshops, events, and working meetings
- Analysis to support data driven decision making for the community

Activity 2: Energy Education

PNNL will partner with REAP and CBS to provide materials and events to increase the energy literacy of the community. 4 topic areas of focus will be developed around energy education and grid resilience. These may include but are not limited to: renewable energy basics, Sitka energy grid 101, rate demystification, and a history of hydropower in Sitka. PNNL will provide analysis to support energy education on these topics, as well as instruction or trainings in collaboration with REAP and CBS. Energy education topics will be aimed at multiple demographics, including school age and the public, throughout the project.

Deliverables:

- Learning material posted to SCRES website
- On site education events

Activity 3: Greenhouse Gas Emission Inventory

PNNL will develop an updateable Greenhouse Gas Inventory. The inventory will include sources of emissions shown in the following table.

	Proposed GHG Included	Sectors		
SCOPE 1				
Sector	Details	Potential Data Source*		
Electricity Consumption	Utility owned by the municipality	Total electricity generated from the utility annually, with percentage of diesel generation.		
Heating Oil Combustion	Fuel is imported to Sitka	Total heating oil imported annually to Sitka from gas station data, with assumption on % that goes to heating.		
Land Transportation	Include cars, trucks, buses, snow mobiles	Total gasoline and diesel sold annually at gas station with assumption on % to land transportation. Alternatively, utilizing NEI data.		
Water Transportation	Ferries, boats that leave and return to Sitka	Total gasoline and diesel sold annually a gas station with assumption on % to water transportation. Use database of registered vessels and their approximate uses.		
Wastewater	Wastewater treatment plant is owned by the municipality	Total gallons of wastewater treated annually.		
SCOPE 3				
Sector	Details	Potential Data Source*		
Waste	Exported through shipping to Washington	Total tons of waste shipped to WA. Estimated break down on waste type by percentages		
Air Travel	Flights to and from Sitka	# of flights in/out of Sitka, with estimates of fuel consumption on trip		
Marine Shipping	Included shipping materials such as heating oil, food, and consumer products to Sitka	# of barges in/out of Sitka with estimates of fuel consumption on trip		

^{*}Potential data sources may change after discussion and availability of data.

Deliverables:

- Report detailing GHG Inventory Assumptions and methods
- Excel spreadsheet that can be updated for future year's inventory

Activity 4: Development of Community Renewable Energy Strategy

PNNL will assist in the development of the final SCRES document outlining the vision for the community's energy future. PNNL may provide inputs on the document, such as background data analysis about the community's energy portfolio, baseline GHG inventory, results of community engagement work, and modeling potential future energy scenarios for Sitka.

CBS is ultimately responsible for the final strategy document.

Deliverables:

3-4 future energy scenarios and energy generation mix



Schedule: The Period of Performance for this effort is 18 months

			2023	2024				2025	
Activity	/	Description	Q4	Q1	Q2	Q3	Q4	Q1	Q2
0		Scoping							
1		Community Engagement							
	1.1	Survey & Analysis							
	1.2	Site Visits							
	1.2	Analysis to support community engagement							
2		Energy education							
	2.1	Development of education materal							
	2.2	On site events							
3		GHG inventory							
	3.1	Data Collection							
	3.2	Creating of inventory							
	3.3	Community training on reuable spreadsheet							
4		Community Energy Strategy							
	4.1	Scenario Planning							
	4.2	Strategy Document							



THE SITKA COMMUNITY RENEWABLE ENERGY STRATEGY SCOPING SURVEY

paper?

Learn more at cityofsitka.com/SCRES

This survey will take only approximately 10 minutes

Scan to take the survey on your phone

Citizens of Sitka are being asked to contribute to developing Sitka's first Community Renewable Energy Strategy (SCRES)! This project aims to establish a shared vision of Sitka's energy future to guide energy-related community decisions. Your input will help determine what kind of energy education is needed, how to conduct public outreach best and assess interest in energy conservation. This project is being spearheaded by the City and Borough of Sitka (CBS) in collaboration with the CBS Sustainability Commission, the Department of Energy, the National Renewable Energy Laboratories, and the Renewable Energy Alaska Project.

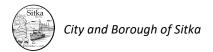
Your completion of this completely voluntary and you may stop taking the survey at any time. <u>All responses are anonymous.</u> If you choose to leave your email to receive updates, they will not be connected to your responses. All responses will be used for general analytical purposes only.

If you need assistance completing the survey, please call (907) 747-1856 or email sustainability@cityofsitka.org

Please indicate your level of agreement with the following statements.	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
Energy conservation is important to me.	0	\circ	\circ	\circ	\circ
In my home, I take actions to conserve energy.	0	\bigcirc	\circ	\bigcirc	\bigcirc
I am not willing to conserve energy at my home if that comes at any cost to my comfort.	0	0	0	0	0
I encourage my friends and family to make energy-conservation choices.	0	0	0	0	0
The effort I make to conserve energy will have a <u>positive</u> <u>effect on the environment.</u>	0	0	0	0	0
The effort I make to conserve energy will have a <u>positive</u> <u>effect on my community's health.</u>	0	0	0	0	0
The effort I make to conserve energy will have a <u>positive</u> effect on my utility bill.	0	0	0	0	0
I think about my energy use every day.	0	\circ	\circ	\circ	\circ
I am too busy to be concerned with my energy usage.	0	\bigcirc	\circ	\circ	\circ
It is too inconvenient to reduce my energy usage.	0	\bigcirc	\circ	\bigcirc	\bigcirc
It is too expensive to reduce my energy usage.	0	\circ	\circ	\circ	\circ
I would do more to save energy if I knew how.	0	0	0	0	0
What, if any, are some energy conservation actions have	you taken	? Do you h	nave any of	ther comr	ments?

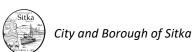
The Sitka Community Renewable Energy Strategy (SCRES) Scoping Survey

My home is primar	ily heated	by:							
O Electric- Resistance baseboard heaters				○ Propane					
Electric – Boiler/radiant heatElectric Heat pump(s) if yes, how many?I don't know			○ Wood stove/fireplace(s)○ Fuel Oil (Diesel)○ Other:						
My home is secondarily (or has a back-up system) heated by:									
 ○ Electric- Resistance baseboard heaters ○ Electric – Boiler/radiant heat ○ Electric Heat pump(s) if yes, how many? ○ I don't know 				○ Propane○ Wood stove/fireplace(s)○ Fuel Oil (Diesel)○ Other:					
My kitchen cookto	p is:								
○ Electric- Resista ○ I don't know	nce -Resista	nt Coils	○ Electr	ric- Induction Propane Other:					<u> </u>
My primary vehicle	e is:								
○ Gas powered (internal combustion engine)○ Gas/Electric hybrid○ I don't know				○ All electric vehicle○ I use public transit○ Other:					:le
Most of the lights i	n my home	are:							
○ LED○ I don't know	○ Florescent/CFL n't know			Other:					
My hot water is he	ated by:								
O Electric boiler		○ Instant	electric ho	t water	r heater	0	Heat pump	hot wate	er heater
O Propane boiler I don't know		○ Instant	propane h		er heater her:				
Please indicate your following statement	_	reement wi	th the		Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
I can explain where S	Sitka's elect	ricity comes	from.		0	\circ	\circ	\bigcirc	\bigcirc
I know how Sitka's e	lectric grid	gets electric	ity to my h	ouse.	0	0	0	0	0
In one sentence, ho	w would yo	ou explain w	here Sitka	's ener	gy comes f	rom to so	meone nev	v to towr	i?
How much of Sitka's	s energy ne	eds do you	think are n	net by r	renewable	energy?			
O-20%	0	21-40%	0	41-60%	6	O 61-8	0%	O 81-	·100%
Please explain why	you chose t	his amount							



The Sitka Community Renewable Energy Strategy (SCRES) Scoping Survey

n e followir nity's ener _e	ng	Strongly		Neither		
	ng	Strongly		Neither		
nity's energ		Disagree	Disagree	Agree /Disagree	Agree	Strongly Agree
	gy	0	0	0	0	0
	ons.	0	0	0	0	0
	5.	0	0	0	0	0
		0	0	0	0	0
rgy policies	s.	0	\circ	0	0	0
ning and/o	or polici	ies that y	ou would	like to sha	re?	
ming energ	gy discu	ssions an	d plannin	g events?	ncy:	
@	<u> </u>					
t over the	next ye	ear? (Sele	ct all that	apply)		
-	□ Ener	gy safety				
	□ Ren	enewable energy technologies				
	□ How	ow to read my utility bill				
	☐ Sitka	:ka's electric grid				
	□ Othe	other (please specify):				
t energy						
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re do you g	go for in	itormatio	··· (Sciect	an mat ap	ріу)	
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□ Perso	onal soc	ial media	feeds (e.g		k)	Energy
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□ Perso □ Gove □ Profe	onal soc ernment	ial media websites or indust	feeds (e.g (e.g. CBS	g. Faceboo website, [k)	Energy
	n resources make a ce Sitka. rgy policie ning and/ ming energemail will n	ng or addressing email will not be shown to ver the next years. Render Compare Compare	make a ce Sitka. rgy policies. ning and/or policies that you ng or addressing energy issue ming energy discussions an email will not be shared with a email	make a ce Sitka. rgy policies. ning and/or policies that you would mg or addressing energy issues in you ming energy discussions and planning email will not be shared with any third pol at over the next year? (Select all that Energy safety Renewable energy tea How to read my utility to Sitka's electric grid Other (please specify):	make a ce Sitka. rgy policies. ning and/or policies that you would like to shaming and/or policies that you would like to shaming energy discussions and planning events? email will not be shared with any third parties) at over the next year? (Select all that apply) Energy safety Renewable energy technologie How to read my utility bill Sitka's electric grid Other (please specify):	make a ce Sitka. rgy policies. ning and/or policies that you would like to share? ming energy discussions and planning events? email will not be shared with any third parties) at over the next year? (Select all that apply) Energy safety Renewable energy technologies How to read my utility bill Sitka's electric grid Other (please specify):



The Sitka Community Renewable Energy Strategy (SCRES) Scoping Survey

If you wanted to engage in discussions a	bout energy in Sitka, how w	ould you like to do it? (Select all that apply					
☐ Attending in-person meetings and/or workshops	☐ Attending virtual	meetings (zoom) and/or workshops					
☐ A presentation to my community grou	_ =000 0	☐ Engaging online via social media					
organization (please write the name belo	w) □ Watching video r	recordings					
☐ Other (please specify):		□ Reading information online					
	 □ Listening to the r	adio					
Do you have any other comments you w	vould like to share?						
Do you have any other comments you in	outu ince to share.						
Have more questions or comments?	Contact custainahiltu@situ	refritte org or (007) 747 1956					
•							
ENI	D OF SURVEY. THANK YOU	!					
Demographics							
Reaching the community in its entirety is that as much of the community is represented.							
(All demographics are optional; skip those	e you do not wish to share.)						
How long have you lived in Sitka?							
○ Less than 1 year ○ 2-5 years	○ 6-10 years	O More than 10 years					
What is your age?							
○ 17 or younger ○ 18-24 ○ 25-3	35-44	15-54					
What is your housing status?							
○ Homeowner ○ Renter ○ Live	eaboard O Currently unhou	sed					
Which option most closely aligns with ye	our gender?						
○ Woman ○ Man ○ Non-binary	O Prefer to self-describe:						
How would you describe yourself? (chec	ck all that apply)						
○ White or Caucasian	Black or African American	Middle Eastern or North African					
○ Asian or Asian American	Native American or Alaskan Native	Native Hawaiian or other Pacific Islander					
O Hispanic, Latino, or Spanish origin	Prefer to self-describe:	·					
What is your approximate average hous	ehold income?						
O Less than \$24,999	\$75,000 - \$99,999	<u>\$150,000 - \$174,999</u>					
<u>\$25,000 - \$49,999</u>) \$100,000 - \$124,000	○ \$ 175,000 - \$ 199,999					
<u>\$50,000 - \$74,000</u>) \$125,000 - \$149,000	○ \$More than \$200,000					

Thank you for providing your demographics.

