

Climate Ready St. John's Plan Engagement Process

STRATEGIC DIRECTIONS



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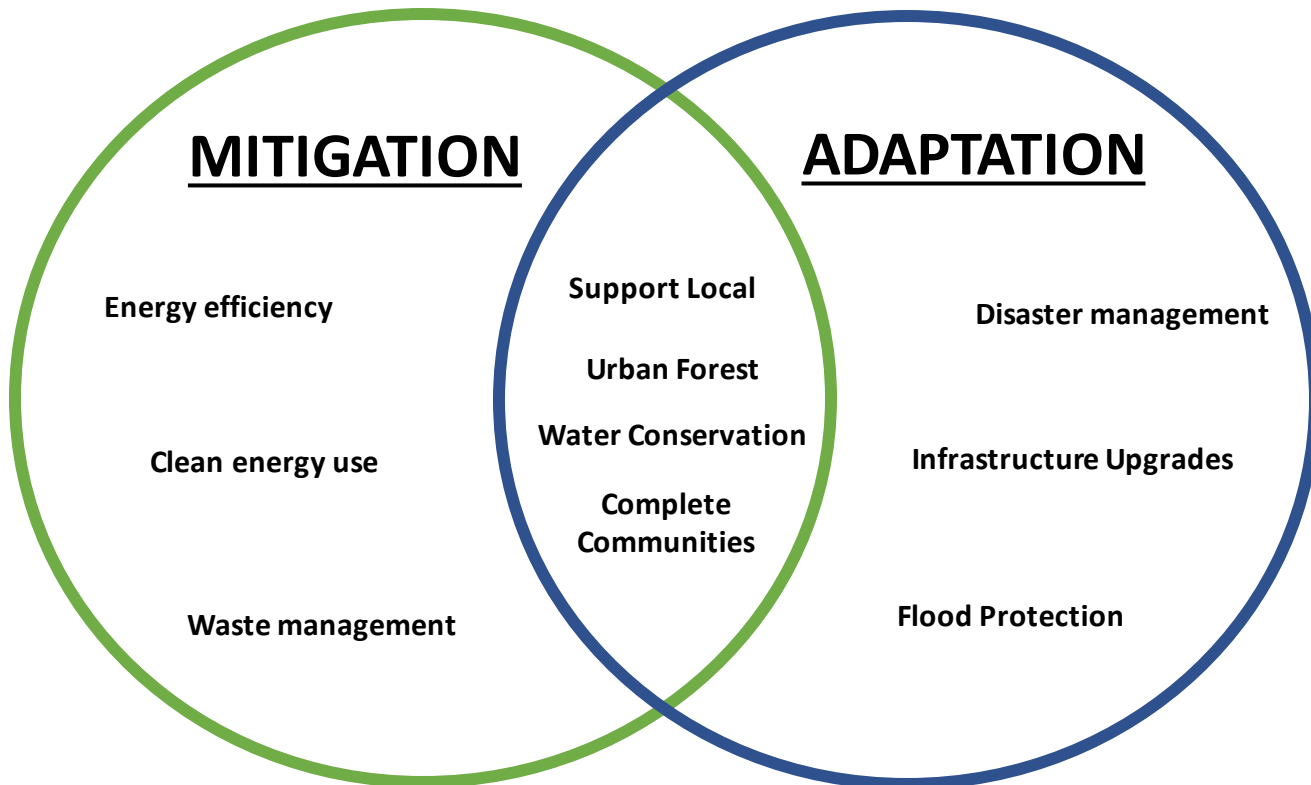
A SUSTAINABLE CITY

A city that is sustainable today and for future generations; economically, environmentally and financially.

Every decision the City makes impacts sustainability today and into the future. Focusing on policy and strategy that supports a vision for a strong economy, values the environment we live in, supports progressive land use planning, and clearly demonstrates value for money to residents, St. John's will be an affordable and sustainable place to live and do business.

Approach to Sustainability

Low Carbon Resilience (LCR) is an approach that focuses on integrating climate change strategies that reduce greenhouse gas emissions (mitigation) and reduce vulnerability to climate change impacts (adaptation). Helping St. John's become a "Climate Ready" city.



Strategically aligning climate adaptation and emissions reduction can enhance the effectiveness of both strategies, avoid risks, and generate economic, ecological, and social benefits.

ACT-Adapt Simon Fraser University

Proposed Guiding Principles

Commitment

Demonstrate proactive leadership to sustain progress

Inclusiveness

Actively engage and foster shared responsibility for action

Relevance

Develop locally-relevant goals and solutions

Integration

Integrate mitigation and adaptation considerations throughout decision making

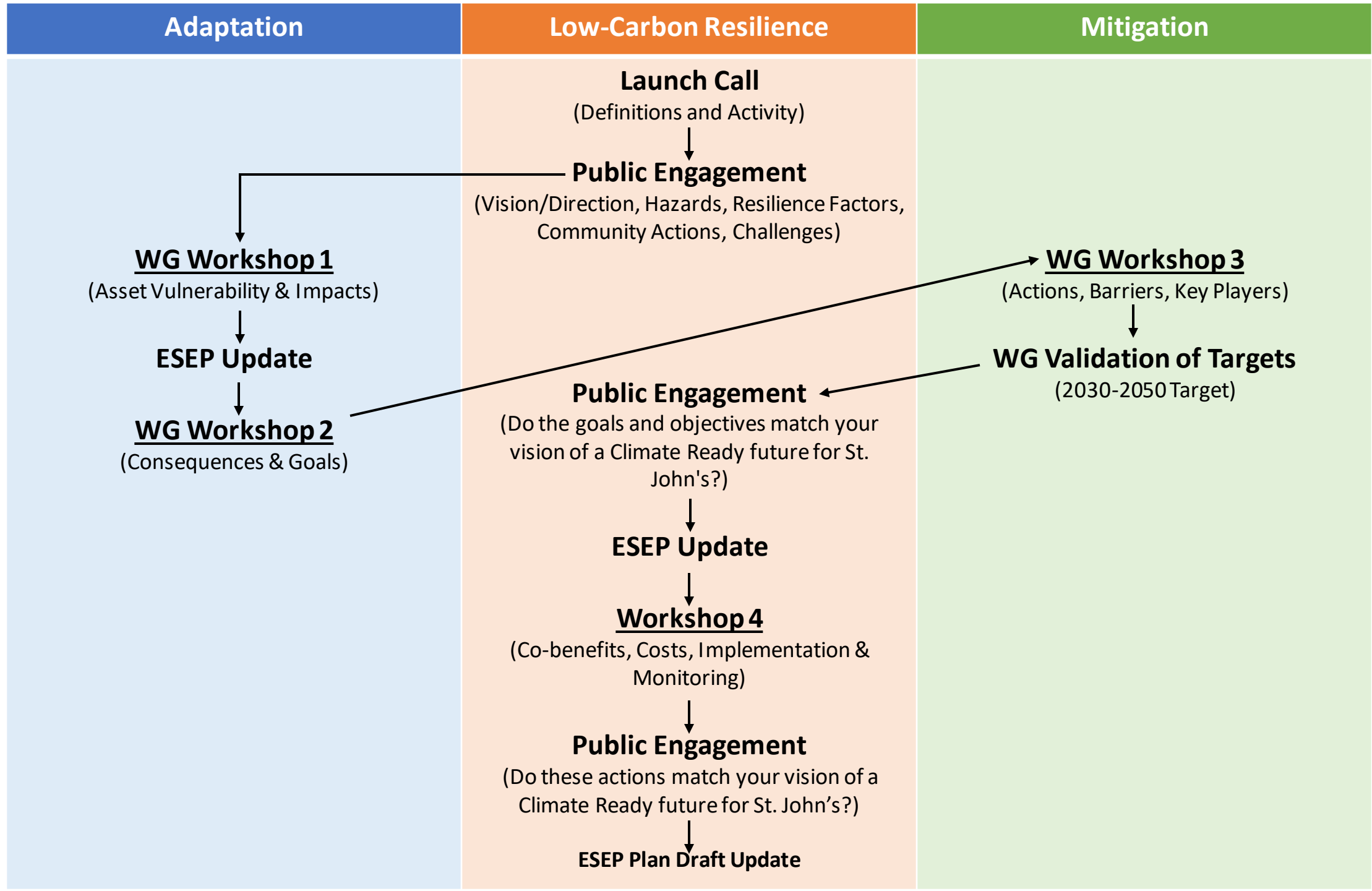
Evidence Based

Consider current climate science, knowledge, and best management practices, while committing to ongoing learning

Risk-Based

Use a risk-based approach to manage uncertainty in decision making

Process



Planning to Adapt Systems

- For Adaptation, this Framework visualizes the Community as a set of Systems that interact with each other.
- Stakeholders within each of the 3 Community Systems, and City of St. John's Staff and Council will be involved in the process

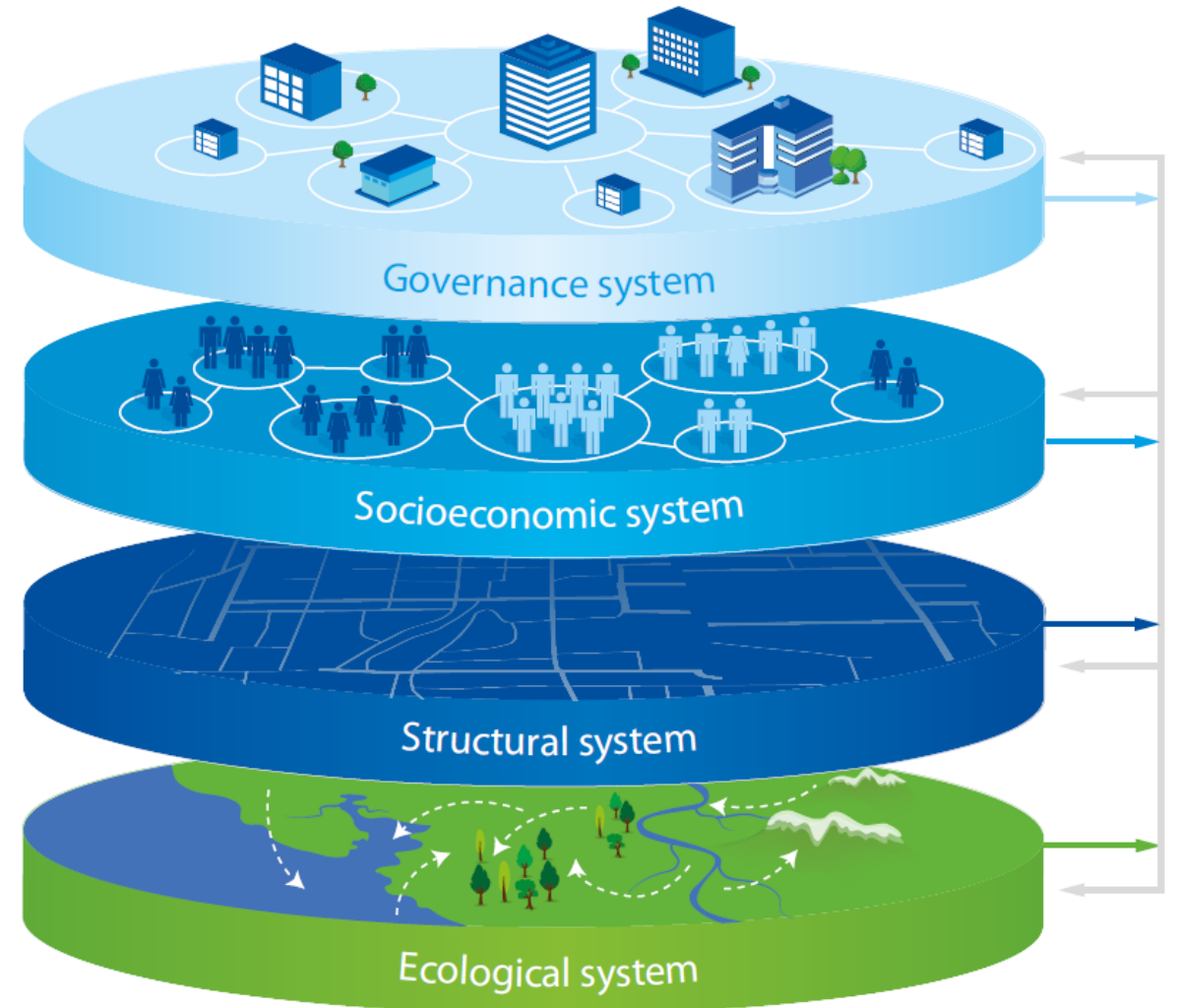


Image Source: Systems & Urban Resilience Framework (SURF)

Energy and GHG Mitigation Planning

- Like in Adaptation planning, the Energy and GHG discussion is organized across 4 Systems
- Stakeholders within each of the 4 Community Systems, and City of St. John's Staff and Council will be involved in the process
- A "low-carbon" city simply means one whose power needs are derived not primarily from carbon-intensive sources (such as fossil fuels), but from less carbon-intensive energy sources (such as hydroelectric power, wind, solar, gas, biofuels).

Greenhouse Gas Emissions:

The **Residential** sector consumed 28% of the total energy and emitted 15% of the GHGs. **15%**

Transportation consumed approximately 41% of the energy use (gasoline and diesel) and emitted 59% of the community's GHGs. **59%**

The **Institutional/Commercial/Industrial sector** consumed 31% of the energy and emitted 23% of the GHG emissions. **23%**

Waste (solid and wastewater) contributed 3% of the community's GHG emissions. **3%**

1) Stakeholder Sustainability Team – Kick-off

(Conference Call & Activity)

- Presentation:
 - City Background, Concepts & Definitions,
 - Past Climatic Impacts, GHG Emissions Challenge, and Engagement Process
- Activity:
 - ☐ What climatic Shocks and Stresses have affected your System?
 - ☐ What helps the city bounce back from climatic shocks and stresses? How are we doing?
 - ☐ In your role what do you observe that is happening already in St. John's to build Resilience or Adapt to climate hazards in your System?
 - ☐ In your role what do you observe that is happening already in St. John's to reduce greenhouse gas emissions in the _____ system?
 - ☐ In your role what do you observe are our Community's Challenges to achieve Low-carbon Resilience?
 - ☐ What would St. John's look like if it achieved "Low-Carbon Resilience"?

Outputs:

- 1) **Context & Perceptions**
- 2) **Agreement on Hazards**
- 3) **Factors of Resilience**
(e.g., housing affordability, skills matching, emergency response, water management)
- 4) **Current Climate Adaptation & Climate Mitigation Actions**
- 5) **Challenges**
- 6) **Vision**

2) Early Public Engagement

(EngageStJohns.ca & Social Media, and Materials for Self-held workshops)

Goal: Identify what Climatic Shocks and Stresses Impact St. John's and what climate mitigation actions are occurring within the community

Package for Community Groups to gather response to questions such as:

- ☐ What Neighbourhood are you in?
- ☐ What Ward do you live in?
- ☐ What climatic Shocks and Stresses have affected St. John's?
- ☐ What climatic Shocks and Stresses have you experienced in St. John's?
- ☐ What helps the city bounce back from climatic shocks and stresses? How are we doing?
- ☐ What do you observe that is happening already in St. John's to build Resilience or Adapt to climate hazards? What would you like to see more of?
- ☐ In your role what do you observe that is happening already in St. John's to reduce greenhouse gas emissions? What would you like to see more of?
- ☐ In your role what do you observe are our Community's Challenges to achieve Low-Carbon Resilience?
- ☐ What would St. John's look like if it achieved "Low-Carbon Resilience"?

Outputs:

- 1) **Context & Perceptions**
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- 6) **Vision**

3) MSST-Workshop 1 - Assessing Vulnerability to Climate Change

(Conference Call Facilitated use of Online Tools,)

Activity 1: Identify Assets (Homework)

- What assets/services does this area have/provide? List assets in your area within your System (Including: Infrastructure, networks, programs, skills, services, businesses, people, land, organizations, institutions, government, natural features, funding sources, etc.)
- Are there other emerging resource/assets?

Activity 2: Identifying Impacts & Opportunities

- What are the impacts from climate change on the asset in your system (e.g., flooding, coastal damage, vector disease, fires)?
- What are the opportunities that may come from the changes in climate (e.g., longer tourism season, lower heating use)?

Post-Call - Activity 3: Assessing Vulnerability (Online Survey)

- For each impact to each asset, identify how vulnerable they are (High, Med, Low).

Introduction to Consequence Scoring Definitions...

Outputs:

- 1) Assets**
(Stormwater pipes, roads, bridges, food bank, clinics, tourists, crops)
- 2) Impacts from climate change**
- 3) Opportunities from climate change**
- 4) Prioritization of impacts based on vulnerability**

4) MSST-Workshop 2 - Climate Change Risk Ranking

(Online Survey Tools and Conference Call Facilitation)

Activity 1: Consequence Scoring (Homework)

- Use a scale from 1-5 to rank each impact's (with high or medium vulnerability) magnitude across the categories of:
Social, Economic, and Environmental consequences

Activity 2: Create End-state System Goals

Answer the following question in 1 sentence for each Focus Area:

- Once St. John's is "Climate Ready", what will our community members, stakeholders, and visitors say about this System in St. John's?

Activity 3: Create Objectives for Addressing Impacts

- Draft an active statement for each of the highest risk impacts (e.g., Increased Heat leading to drier summers -
Reduce the amount of potable water used during summer)

Activity 4: Identify "Key Players"

- Who is thought to be responsible for this Objective?
- Who else makes decisions that affect this Objective?
- Who else should be involved/informed?

Outputs:

- 1) Risk-Based Ranking of Impacts
- 2) End-state System Goals
- 3) Objectives to Address Impacts
- 4) Key-Players

5) MSST-Workshop 3 — Energy Planning and GHG Mitigation (Homework, Online Tools and Conference Call Facilitation)

Activity 1: Sharing Action/Experience (Homework)

- What are some of the most important actions taken to address climate change in your System? (Review inputs at Launch meeting)

Activity 2: Brainstorm Actions

- Map tool to brainstorm opportunities to reduce energy use and fossil fuel reliance across the City
 - 1 map annexation map across the City,
 - 1 map of transportation routes,
 - 1 map for Low-carbon energy generation opportunities.
- Solid Waste Management brainstorm opportunities

Activity 3: Identify Barriers

- In your experience, what are the largest barriers face in acting on climate change in your system?

Activity 4: Identify Key Players in your focus area for Mitigation

- Who is thought to be responsible for energy use in this System?
- Who else makes decisions that affect the energy use in this System?
- What data sets are you aware of, that could help move energy mapping forward?

Outputs:

1) energy opportunities and solutions to increase local energy production and conservation

2) Identifying synergies between industry stakeholders

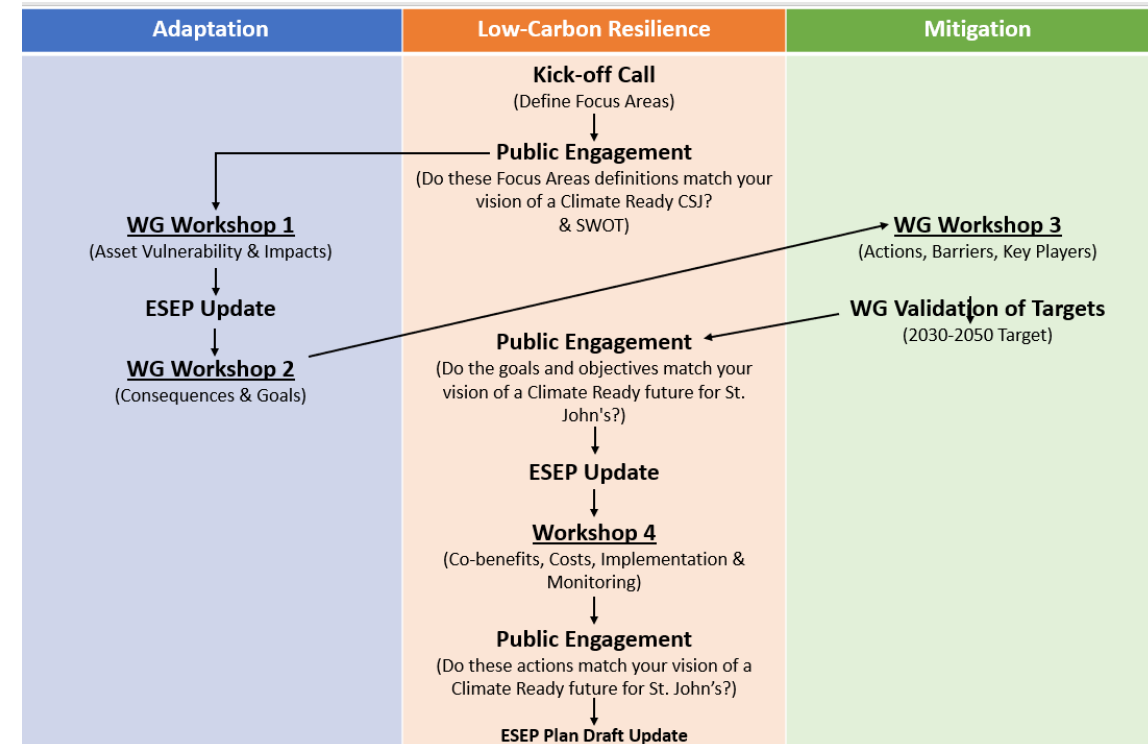
6) Public Engagement - Goals and Objectives

(EngageStJohns.ca; Social Media)

Do these goals and objectives match your vision of a Climate Ready future for St. John's?

Strongly Agree ----- Strongly Disagree

- Goal 1
- Goal 2
- Goal 3
- Goal 4
- Please Comment..



7) Workshop 4

(Online Survey Tools and Conference Call Facilitation)

Activity 1: Synergies and co-benefits

- Review Mitigation and Adaptation actions and identify synergies, co-benefits or compromises.

Activity 2: Identify Estimated Costs & Funding Sources

- Estimated cost (H,M,L) and identify potential sources of funding or funding partnerships.
- What funding sources are you aware of to support the objectives within your system?

Activity 3: Responsibility for Implementation

- Discuss which of the stakeholders and City should Lead and who should support.
- Would you be interested in forming part of a longer term implementation focused partnership?

Activity 4: Discuss Monitoring & Reporting

- What metrics could be used to track progress towards the goals?
- At what frequently should this item be reported on to be able to assess change (some items take time to evolve)?

Outputs:

- 1) Synergies and co-benefits**
- 2) Estimated Costs and funding opportunities**
- 3) Partnerships for Implementation**
- 4) Monitoring and Reporting Framework**

8) Public Engagement- Feedback on Plan

(EngageStJohns.ca; Social Media)

Does this plan match your vision of a Climate Ready future for St. John's?
Strongly Agree ----- Strongly Disagree

- Goal 1 ...
 - Objective
 - Action
- Goal 2
 - Objective
 - Action
 - Action
- Goal 3
 - Objective
 - Action
- Goal 4
 - Objective
 - Action

Are there other Implementation considerations?

