Large Urban Communities Forum





Victoria's ecosystem of supports













Canadian Mental

Health Association







Over 60 social service agencies in the downtown core

Health, mental health, addictions, housing, ID, legal support

Lived and living experience, trauma informed, Indigenous led



Tiny Home Village



- Crowdsourced through Community
- Repurposed shipping containers
- Housing for 30 residents located on City parking lot



- Neighbourhood committee/meetings
- Grant supported the security, utilities and siting needs



Temporary Increased City Service Levels

Urban Issues Team

- Additional bylaw and police
- Peer Outreach to accompany bylaw in field
- Enhanced cleaning 7 days a week
- Installation of handwashing stations, portable washrooms
- ❖ 24/7 Mobile security patrols during temporary suspension of enforcement on daytime sheltering in parks (COVID)





Temporary Service Teams for Unsheltered Homeless Indigenous People

- ❖ Team consisted of Registered Clinical Counselor, Street Nurse, Youth Outreach Worker and Traditional Health and Wellness Coordinator.
- Improved the health and safety of unsheltered homeless Indigenous people through the provision of primary care, Counselling and nourishment boxes.
- Improved the coordination between City, health and social service providers





Temporary Peer Support Teams





- Peer Support workers hired for a one-year contract to help transition unsheltered homeless people indoors
- Connecting people to resources and support programs in coordination with housing and shelter providers



Development of a Community Inclusion Team

- City wide Community Inclusion team was developed to integrate unsheltered homeless people into neighbourhoods
- Addressed concerns about public health and safety by fostering public dialogue and relationship building



Unsheltered, service providers and neighbourhood associations all part of the conversation



Pilot Projects in the Burnside Gorge Neighborhoods



- Neighbourhood home to many of the shelters and supportive housing units
- Facilitated working group of neighbourhood residents, business owners and unsheltered people



- Established a peer-based Clean and Safe Team
- Improved safety and security through a dedicated Crime Prevention Through Environmental Design (CPTED) initiative





Hon. Jennifer Whiteside







Association canadienne pour la santé mentale Colombie-Britannique La santé mentale pour tous

Strengthening Communities Fund in Action: Peer Assisted Care Teams

Union of BC Municipalities

Canadian Mental Health Association – BC Division Jonny Morris, CEO

September 19, 2023

About CMHA BC



OUR SUPPORT

- Education & Training
- Service Delivery
- Policy & Advocacy

OUR REACH

 CMHA operates in BC through the BC division and 14 branches that service over 100 communities to meet local needs.

Partners in Transformative Care





Supported by the Province of British Columbia

SHIFTING FROM CRISIS TO CARE IN BRITISH COLUMBIA





Sending mental health responses to mental health emergencies



Victoria's Peer Assisted Care Team

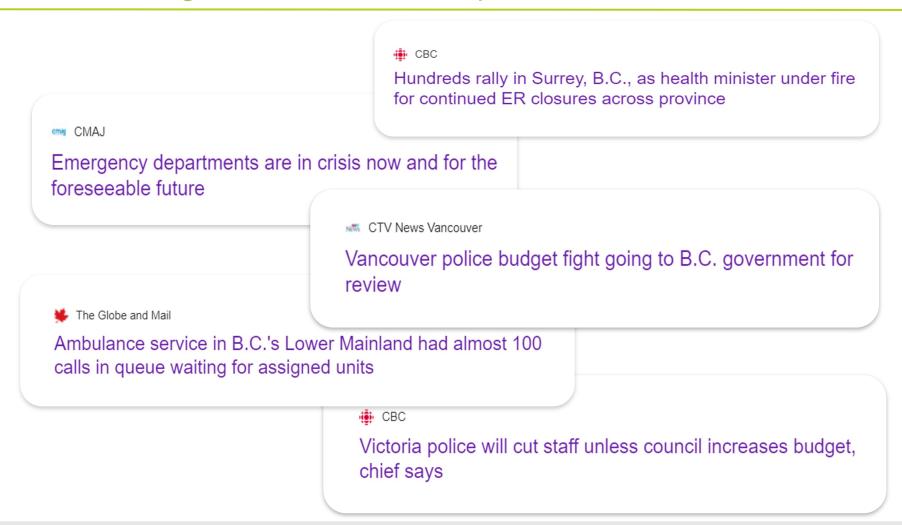


Victoria PACT Team is currently available between 2pm and 9pm, Monday through Friday.

The team can be reached at 250-818-2454.

Peer Assisted Care Teams

Addressing Overburdened Responses



Peer Assisted Care Teams Addressing Overburdened Responses

When it comes to mental health emergencies police have become the default responders, which has expanded the scope of their work.

1

When it comes to mental health emergencies police have become the <u>default</u> responders, which has expanded the scope of their work.

(2

Emergency rooms have become the <u>default place</u> for people to go or be taken, where they often don't get the mental health care they need.

3

The majority of mental health emergencies <u>do not require</u> any sort of police response.

PACT provides cost effective way to provide mental health care outside of these overburdened systems, in a way that better addresses mental health needs.

Peer Assisted Care Teams Addressing Individual Distress

Community-led Initiatives such as PACT focus on alleviating individual distress, so that police resources are freed up to address public safety issues.

Core <u>PACT</u> Duties	Core <u>Policing</u> Duties
Mental health emergency, including suicidal ideation	Preventing and detecting crime
Wellness check on behalf of third party	Keeping the peace
Substance use disorder	Protecting life and property by enforcing laws and apprehending offenders

Common Scenarios

A person living in a shelter was acting erratic, clearly suffering a mental health emergency. Shelter staff called PACT.

PACT Response

The PACT team arrived at the shelter and completed assessments. The person had a history of intense mental health struggles and decline in their wellness, which led to their inability to access services. They also had been noted as someone who has a history of escalated behaviour.

PACT referred this client to Intensive Case

Management. The client was accepted onto the
waitlist within the week.

POLICE Response

If police had attended it would most likely result in the client's anxiety **escalating to violence**, **criminalized for their behaviour** and subsequent **loss of shelter space**.

Common Scenarios

An anonymous caller called PACT regarding a man they saw lying on the street near traffic. The man was responsive, but the caller was concerned for the man's well-being.

PACT Response

The PACT team says "thank-you for calling, we will come out and check on him" team arrive on-site and conduct a wellness check.

The caller says "thanks, I was considering calling the Police **but he wasn't putting anyone else in danger except for himself**"

POLICE Response

If police had attended, it is a **drain on** resources and an increase chance for conflict.

But when do police need to be involved? The early data speaks for itself:







Data from the Vancouver Island Crisis Line from Jan to Aug 2023 shows that only 0.5% of mental health emergencies required 911 escalation. Out of 1118 calls to PACT between Jan and July 2023, only 6 calls (0.5%) required escalation to police due to an imminent safety risk.

Of these 1118 calls, police referred to PACT 16 times, with this number increasing steadily as police become aware of PACT and relationships between various emergency responders are being established.

We can look to the Metropolitan Police in the UK as an example...

"The **threshold** for a police response to a mental health-related incident will be to investigate a crime that has occurred or is occurring; or to protect people, when there is a **real and immediate risk** to the life of a person, or of a person being subject to or at risk of serious harm."

Metropolitan Police Agreement with NHS

Peer Assisted Care Teams

Right Care, Right Person

Mental health care as a 4th response



Each emergency has unique expertise to respond to specific needs.

PACT is Expanding Three New Teams in 2023

North & West Vancouver (North Shore) 2021



Victoria 2022



New Westminster 2022



Comox Valley 2023

Kamloops 2023

Prince George 2023



Association canadienne pour la santé mentale Colombie-Britannique La santé mentale pour tous

PACT@cmha.bc.ca cmha.bc.ca



Delta COVID-19 Homelessness Response Project

UBCM's Large Urban Communities Forum

September 19, 2023

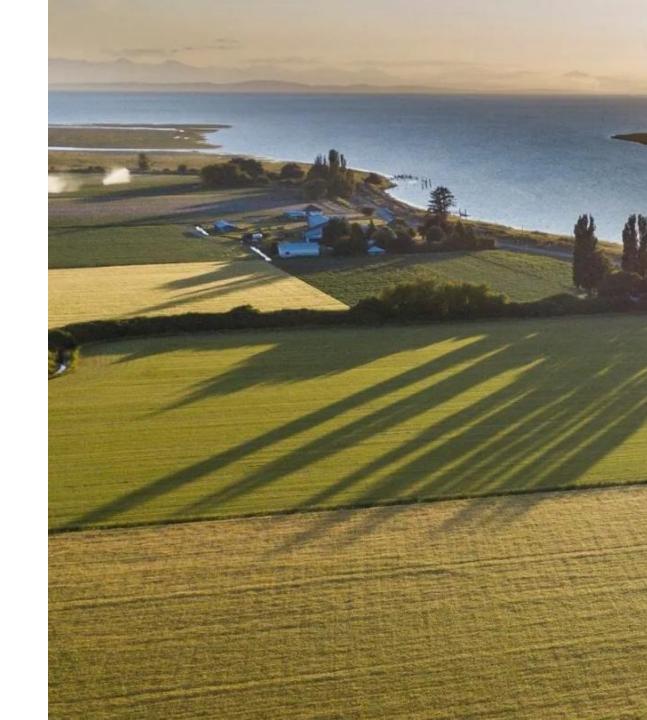




Key Points

- About Delta
- Homelessness in Delta
- 2021-2023 Projects: Overview
- Mobile Outreach Team
- Resources
- Collaboration
- 2023 initiatives
- Lessons Learned

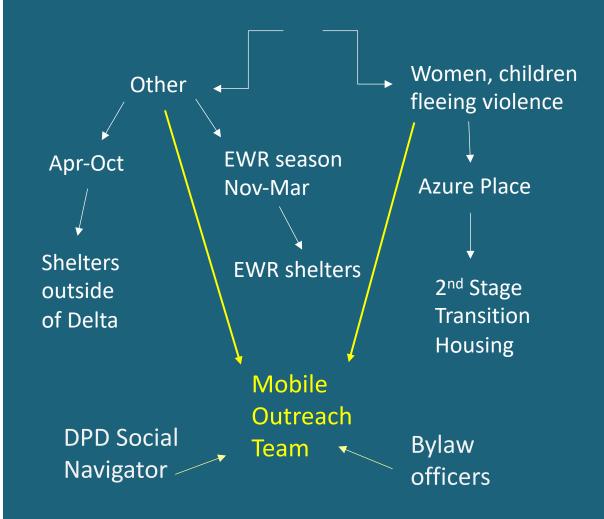




About Delta

- Population | 108,000
- Unique geography
- Vulnerable seniors
- Migrant workers
- Increased number of renters
- Services not keeping up with growing needs

Unhoused individual in Delta







FACES AND PLACES OF HOMELESSNESS IN DELTA

FINAL REPORT

Delta COVID-19 Homelessness Response Study October 2022

Prepared by the Options Community Services Research Team with the support of the City of Delta - Social Planning









- 2020 Homelessness count | 17
- UBCM-funded 2022 Delta's Homelessness Study
- Spectrum of homelessness
- 60 self-identified unhoused individuals | 70% - chronically homeless
- Informed Delta's 5-year Social Action Plan and our activities in 2023-24



Delta COVID-19 Homelessness Response

Year 1: 2021-2022

- Study: Faces and Places of Homelessness in Delta
- Mobile Outreach Team (MOT) Program

Year 2: 2022-2023

- Project Advisory
- Services Coordination
- MOT Program modified
- Food Truck Program
- Public Awareness Campaign
- Training and Educational Sessions
- Staff: Homelessness Coordinator



Mobile Outreach Team

- 1 outreach worker (OW) working Monday-Friday
- Dedicated office time in North Delta and South Delta
- Since January 1, 2023, the OW has connected with 56 individuals and responded to 52 calls. In the 2022 calendar year, the OW connected with 127 individuals and responded to 23 calls.







Mobile Outreach Team

- OW facilitates referrals to our Housing Office team to receive rental subsidies for clients
- OW hands out hygiene kits to individuals in need on the streets
- Provides resources for clients including food, clothing, water bottles, gift cards, emergency care kits

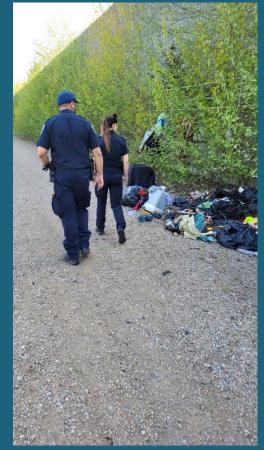






Mobile Outreach Team

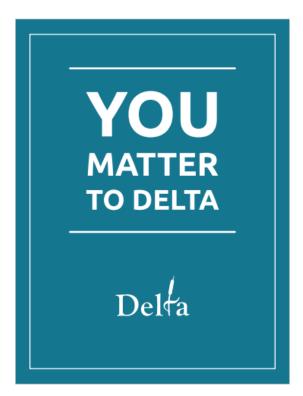
- Attend to encampments with Delta By-Law officers. The encampments are often out of site of the public.
- Provide education and resources to persons experiencing homelessness or the public.
- Offer shelter services for those experiencing homelessness to the Hyland House Shelter in Newton







Resources



YOU ARE NOT FORGOTTEN.

YOU ARE NOT ALONE.

YOU MATTER.

Need emergency housing? Worried about your next meal? Senior and feeling isolated? Need help?

This pocket guide provides information about emergency supports and community services in Delta.

More information on services in Delta is available at Delta.ca/socialplanning



There are supports to help you stay warm and safe.

NOV 1 TO MAR 31

There are two Extreme Weather Shelters (EWS) in Delta. These shelters are only open during extreme weather alerts.

South Delta EWS

Ladner United Church (4960 48 Ave, Delta) 604-599-8900 – call for space Public transit (bus): 601 Ladner-Tsawwassen

North Delta EWS

New Hope Church (11838 88 Ave, Delta) 236-427-3895 ext. 3 – call for space Public transit (bus): 319 Scott Station/ Newton Exchange/Scottsdale



Want to know about your housing options, rental subsidies and need some immediate assistance?

MOBILE OUTREACH TEAM

604-765-6751

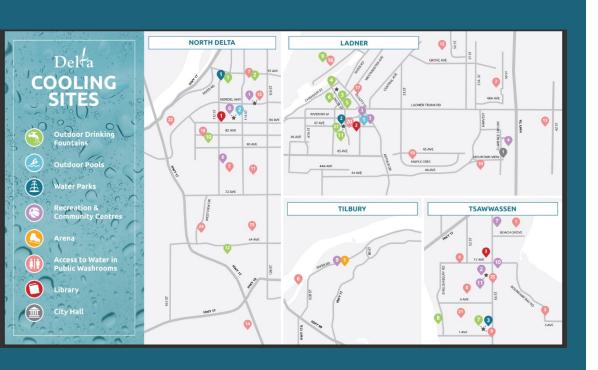
hylandoutreach@options.bc.ca

AFTER HOURS EMERGENCY SUPPORTS

For recipients of income assistance when local ministry offices are closed (emergency need for food, lodging, and transportation):

4:00pm to 12:30am | 604-660-3194 12:30am to 8:30am | 604-660-4927





Collaborations

- Options MOW
- Bylaws
- DPD & Social Navigator
- Mobile Outreach Teams
- Local organizations
- Faith community



Food Truck

- The Phoenix Society
- Contract: March October
- 2 operation sites
- Promotion
- 704 meals served (March-June)
- Pick up/delivery
- Community feedback

Training

- Front-line staff
- Key stakeholders in community
- Engagement
- Findings
- Training dates

Topics

- De-escalation
- Mental Health 101
- Delta Resources





Project Advisory Table: Azure Place Ladner United Church (EWS) New Hope Church (EWS) The Lookout Society The Phoenix Society **Options Community Services Deltassist Homelessness Services** Association of BC Delta Police Department Tsawwassen First Nation Fraser Health Authority Ministry of Social Development and Poverty Reduction

Ministry of Public Safety and

Solicitor General

Awareness Campaign

- Interviews in 2022
- Guided by community partners
- Raise awareness about different pathways to being homeless
- Calls for action
- 6 posters, social media campaign
- To be launched during 2023
 Homelessness Action Week



Lessons Learned

- Awareness of needs
- Collaboration
- Coordination
- Listening & Flexibility
- People with lived experience
- Capacity building
- Delta's Social Action Plan



Long-time Ladner resident escapes the street, with a little help

Don't be afraid to reach out and ask for help

Phil Melnychuk Sep 9, 2023 1:00 PM













Thank you! Questions?









B.C.'s Legislated Targets

- B.C. Climate Change Accountability Act sets out legislated targets for reducing greenhouse gas emissions:
 - 40% less than the level of 2007 emissions by 2030
 - 60% less than the level of 2007 emissions by 2040
 - 80% less than the level of 2007 emissions by 2050

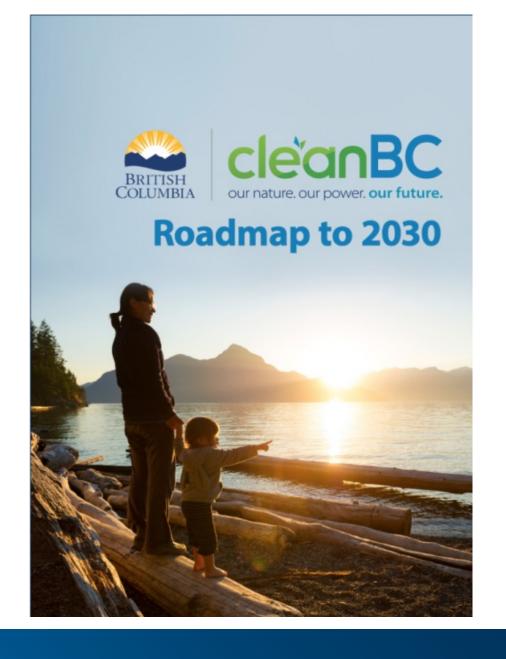
• B.C. also established 2030 emission reduction targets for four sectors, with 2007 as the

baseline:

• Transportation, 27-32%

- Industry, 38-43%
- Oil and gas, 33-38%
- Buildings and communities, 59-64%



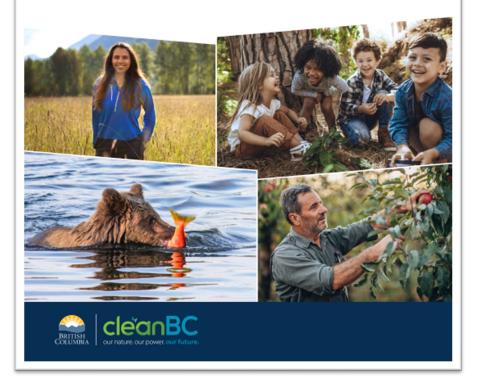


CleanBC Roadmap to 2030

- CleanBC Roadmap to 2030 is the plan to achieve 2030 emissions reduction target
- Eight pathways low carbon energy; transportation; buildings; communities; industry, including oil & gas; forest bioeconomy; agriculture, aquaculture and fisheries; and negative emissions technologies
- Annual reporting for accountability/transparency and to ensure the plan remains responsive
- Collaborative plan based on advice from the Climate Solutions Council

Climate Preparedness and Adaptation Strategy

Actions for 2022-2025



Climate Preparedness and Adaptation Strategy

- Four pathways: partnerships, knowledge and decision-making; safe and healthy communities; resilient species and ecosystems; climate-ready economy and infrastructure
- Responsive to 2021 extreme events
- Commits to monitoring and reporting on progress
- Laying the foundation for more comprehensive, longterm climate adaptation efforts in B.C.

Local Government Climate Action Program (LGCAP)

- Provides flexible, long-term funding that meets urban and rural needs
- Enables community-specific action to reduce emissions and increase climate resilience
- Enables robust reporting to track results and help improve the program over time
- Enables knowledge sharing among local governments and Modern Treaty Nations to promote innovative climate action across the province
- Builds on established partnerships and continues to build new connections



LGCAP Survey Results - B.C. Overview

Action	Status
Climate action plans	97 communities (18% increase from first year of program)
Net-zero commitments	42 communities
Climate lens application	25 communities
Community-wide GHG emissions	8 communities (69% decrease from 2021)
Corporate emissions reporting	104 communities (100% increase from 2021)
Funding community-wide initiatives	\$0.482 million invested
Funding transportation initiatives	\$1.276 million invested
Funding buildings initiatives	\$1.868 million invested
Risk and vulnerability assessments	79 communities (30% increase from 2021)

LGCAP Survey Results - Large Communities

Climate Action Plans

29

Net-Zero Targets

12

Apply a Climate Lens

8

FTEs Dedicated to Climate

265.50

Addressing Climate Impacts

20

Climate Risk Assessments

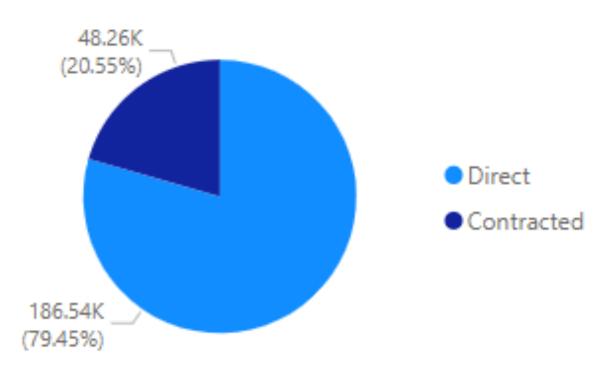
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Collaboration on Resilience

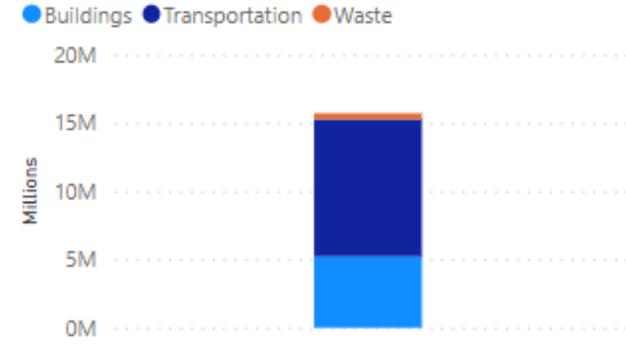
15

LGCAP Survey Results - Large Communities

2022 Corporate Emissions in tCO2e



2022 Community-Wide Emissions in tCO2e



107.99M

Total Resiliency Investment for 2022

65.35M

Leveraged Funds

57.16M

LGCAP Year One Funding		
Initiative	Investment	
Put in reserve	\$5,932,051.60	
Staffing	\$324,568.86	
Buildings	\$710,432.00	
Transportation	\$476,161.37	
Risk and Vulnerability Assessments	\$214,508.00	









Working Together to Accelerate Climate Action

SYNERGIES IN LAND USE, TRANSPORTATION, AND CLIMATE ACTION PLANNING

Conor Reynolds

Director, Air Quality and Climate Action

Union of BC Municipalities, September 2023

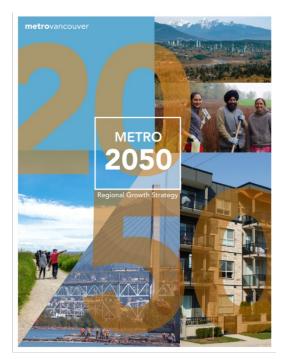


23 Member Jurisdictions2.8 Million Residents53% of BC population

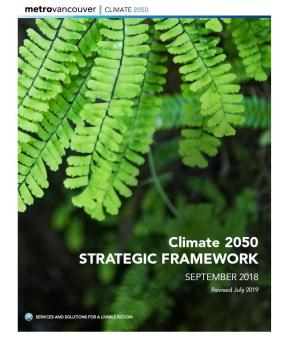


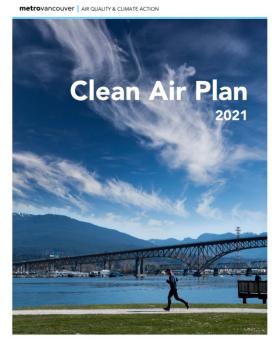


COORDINATED CLIMATE PLANNING IN THE REGION









Metro 2050

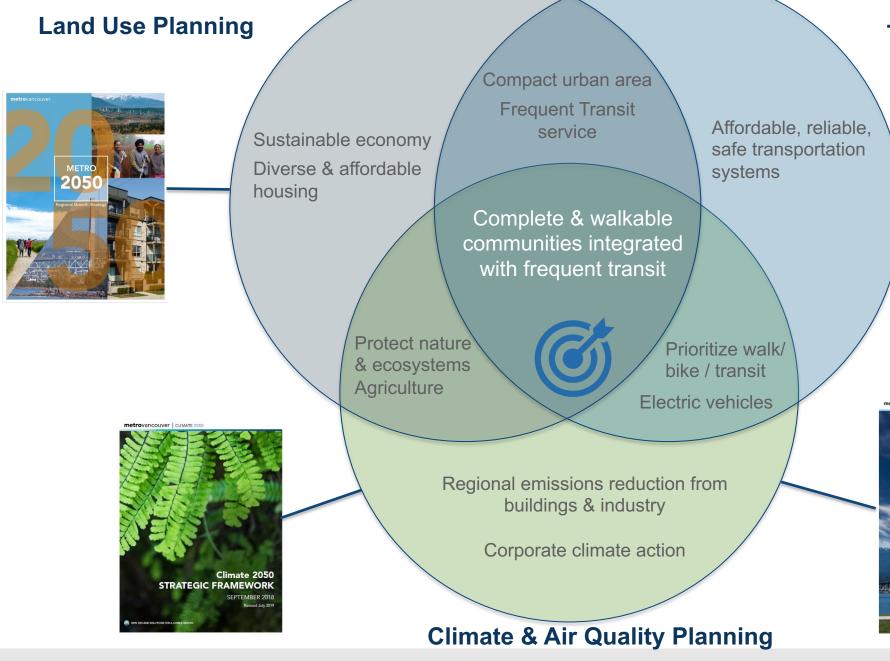
Transport 2050

Climate 2050

Clean Air Plan



All plans commit to a 45% GHG reduction by 2030 and a Carbon-neutral Region by 2050



Transportation Planning





IMPROVING RESILIENCE

Integrated land use planning supports resilience by:

- Protecting ecosystems
- Enabling more cost-effective infrastructure
- Discouraging new development in areas vulnerable to natural hazards / climate impacts



REDUCING EMISSIONS

- Reduced distances to travel = reduced vehicle emissions
- Complete, mixed-use neighbourhoods
 = easier to get around without need for a car
- Facilitates low-carbon goods delivery
- Increased development density supports efficient and frequent transit
- Energy-efficient buildings = reduced building emissions



LAND USE + TRANSPORTATION + CLIMATE PLANNING

- = More people can meet daily needs close to home & connected by frequent transit
- More intact ecosystems protected
- Improved health and well-being
- More vibrant commercial areas
- Affordable and energy-efficient housing
- More efficient utility and transit investments



HEALTH BENEFITS

Compact, walkable neighbourhoods with access to green spaces improve public health

- Increased walking & a 17% higher likelihood of meeting the weekly recommended level of physical activity
- 42% reduction in obesity
- 27% reduction in diabetes
- 14% reduction in heart disease
- 23% reduction in mental stress
- 24% increase in a strong sense of community belonging

Source: Where Matters: Health & Economic Impacts of Where We Live, UBC Health and Community Design Lab, 2019



VIRTUOUS CYCLE OF LAND USE & TRANSPORTATION

Metro 2050 Targets



↑ (%) growth - homes & jobs - in Frequent Transit Development Areas and Urban Centres



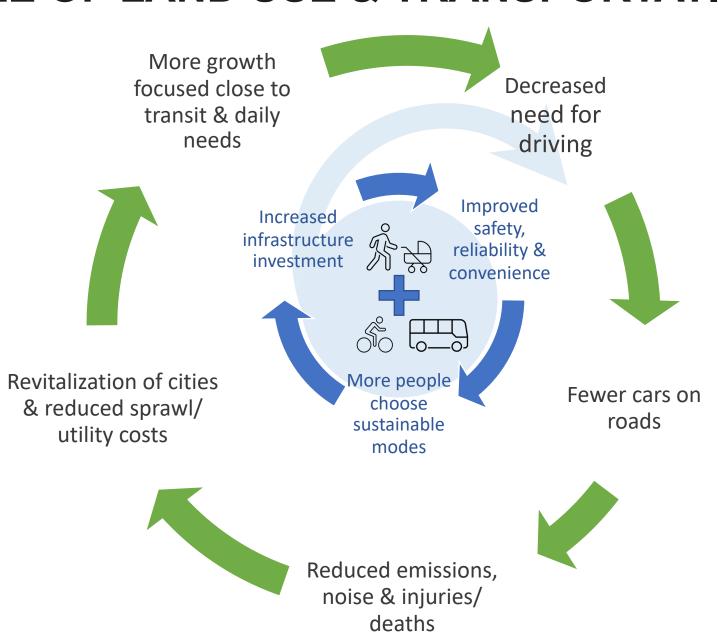
Protect 50% of land for nature



Achieve 40% tree canopy cover within urban areas



45% GHG reduction by 2030; carbon-neutral region by 2050



MOVING FORWARD: COLLABORATION

- Continue to work together as a regional federation & with partners
- Coordinate local, regional & provincial climate policy
- Share best practices for climate action, learning
- Partnerships and advocacy for Provincial and Federal climate policy
- Ensure accountability, tracking and reporting against targets



PROPOSED MV REGULATORY APPROACHES

Driving Down Emissions

- Joint project between Metro Vancouver and TransLink
- Project will identify how to bundle the policies in adopted plans to reduce GHG emissions from passenger vehicles by 65% by 2030, from 2010 levels.

Large Existing Buildings

- Fills a regulatory gap
- Large existing commercial buildings >25k SF: reporting GHGs, phased-in GHG limits
- Project will address the single largest opportunity to reduce building emissions in the region



These two projects are critical to get the region on track to achieve 2030 and 2050 targets



Thank you







Downtown Renewable Energy System

Presented by:

Wil Wedel, Manager of Development Services

What is DRES compared to DES

- DES District Energy System
 - Energy system provides heat to multiple buildings via underground pipe network.
 - Energy can be from any number of sources including geothermal, electric, gas, waste, biofuel.
- DRES Downtown Renewable Energy System
 - Source of energy is from a renewable source wood fibre at Lakeland Mills (partnership);
 - Lakeland burns this material to supply heat for their purposes, City uses the remaining energy as primary source of heat.



DRES Timeline

The Big Idea 2000 The Funding Began and Feasibility Study Completed 2000 - FCM Green Municipal Fund Unsolicited Proposal - Marriage Failed 2002 - Greenbelt Renewable Energy Inc-Combined Heat & Power - BC Hydro Green Call More Funding 2002 - FCM Green Municipal Fund - FVB Energy Inc. completes an Enhanced Feasibility Study Request for Expression of Interest 2004 - 2 parties express an interest- one is chosen - Financial considerations of partner cancel project Stand Alone CES Concept Updated 2005 - FVB Completes a Full Scale and Phased Study

2006

A Number of Partners to Choose From

- Council makes the decision to move forward with one

partner for a full scale project-Partner pulls out of project



2007

City of Prince George as owner and operator

- Air quality debate
- Council approves a motion to stop the construction of the stand alone energy plant

Industry Partnership for Heat Supply

2008-2009

- Use existing industrial heat source
- Net improvement to air quality
- MRIF funding pursued for District Energy System using an Industrial Heat Source
- Looked at two local industries that could supply the thermal energy required and provide the necessary air quality improvements
- Created Communication Plan

Partnership Creation with Lakeland Mills and Approval by Council 2010

- Alternative Approval Process Initiated and Environmental Assessment, including stakeholder and public meetings
- Energy supply agreement with Lakeland Mills
- Planned to Install hot water piping from the mill site to the downtown
- Existing site will be modified and Energy Transfer Station to be built at Lakeland
 - Pollution Control System—Electrostatic Precipitator to be installed
 - Net improvement to air quality

Construction Begins 2011 System Commissioned 2012

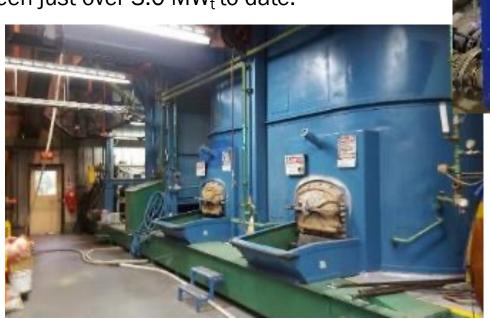
CITY OF PRINCE GEORGE

Primary Heat Source

Lakeland Mills boiler provide up to 13 MW_t of energy for industrial purposes and DRES.

Contract between City and Lakeland for 5.0 MW_t to be available.

Peak City energy demand has been just over 3.0 MW_t to date.





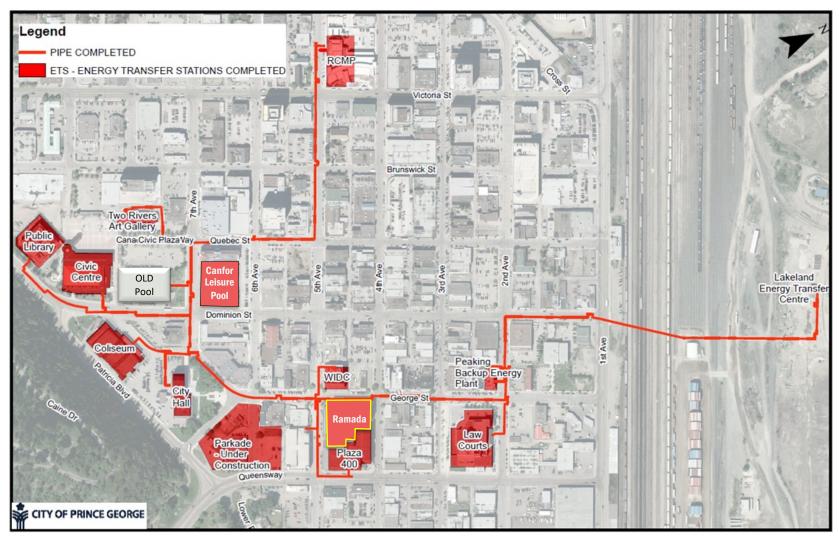
Peaking/Backup Plant

- City maintained monitors entire system
- Has two 2.5 MW₊ natural gas backup boilers
 - One is always in circulation, on standby;
 - Can supplement heat or provide full heating demand;
 - One is locked out 2 boilers requires Power Engineer
- Circulation pumps
 - move heat Lakeland loop can isolate
 - move heat distribution system





DRES System – Current Connections



- DRES Building (plant and office spaces)
- 2. Law Courts
- 3. Plaza 400
- 4. Wood Innovation

 Design Centre
- 5. Ramada Hotel (Private)
- 6. George Street Parkade
- 7. City Hall
- 8. Kopar Memorial Arena (Coliseum)
- 9. Canfor Leisure Pool
- 10. PG Conference and Civic Centre
- 11. Public Library
- 12. Two Rivers Art Gallery
- 13. RCMP Detachment

Environmental Benefits

Air Quality improvements – GHG reduction

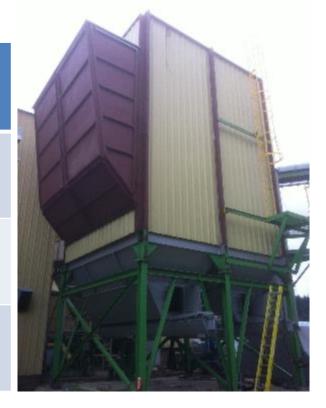
Total Reduction	Equivalent
1,868 tonnes/yr	Energy used by 6 highschools

- Thermal delivery efficiency
 - Boiler efficiency drops off over time from 80% down to 60% efficiency
 - DRES as high as 95% efficient. Constant energy flow.

Environmental Benefits

Particulate Matter Total Reduction

Source	Pre - DES Construction	With DES	Reduction
Lakeland Energy System	37.4 tonnes/yr	6.7 tonnes/yr	30.7 tonnes/yr
Truck Traffic	70 tonnes/yr (approx. 300)	0 tonnes/yr	70 tonnes/yr
NET	107.4 tonnes/yr	6.7 tonnes/yr	100.7 tonnes/yr



^{**} The above truck traffic numbers use emissions estimates as calculated by MOE in the Prince George Air Emissions Inventory-Background Report (2001)

Safety

DRES System	Boiler System
Heat exchanger onsite.	Pressure vessel inside building.
No permit required by property owner. Covered by DRES.	Permit required for operation.
Building operator not required to have certified operators. Maintenance by City.	Certified operators required for operation and maintenance of boilers.
No combustion onsite, only hot water.	Combustion of fuel – potential for exhaust and fuel leaks.

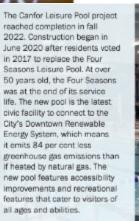
Public Reporting





2022 Reporting

Fuel Type	Emissions (tCO2e)
Natural Gas	2960
Propane	33
DRES	89
Hydro	330
Gasoline	783
Diesel	2405





DOWNTOWN RENEWABLE ENERGY SYSTEM

The single greatest contributor to reducing the City's corporate GHGs has been the installation of the Downtown Renewable Frenge's system (DRES), Operational since 2012, the system distributes hot water through underground pileng to elevate holistings in the downtown area including City Halt, the poet and areas, the larver, the art gallery, and offsetting their raturaling as consumption for heat. The fort water is produced at Lakeland Mills using wood chips and shavings that are produced to the marker production for the contribution of the production of the production of the contribution of the production of the contribution of the contri

The fuel source is local, renewable, and carbon-neutral. Prince George is one of only a handful of municipal district energy systems in canada that uses renewable resource as its primary source of source of the s

Figure 6 - Map of City of Prince George Downtown Renewable Energy System, indicating most of the distribution



City of Prince George | Climate Change Mitigation Plan

DOWNTOWN RENEWABLE ENERGY SYSTEM



\$10 million grant from Province and Federal Governments due to being connected to the DRES.

Media Exposure





■ MENU NEWS FEATURES V

VIDEOS EVENTS → PELLET MILL MAP MAGAZINE →

'A complete circle': Prince George proves district energy can work in Canada

For years now, members of the Canadian biomass industry...

August 17, 2020 By Ellen Cools



-44 degrees no problem for City Bioenergy System

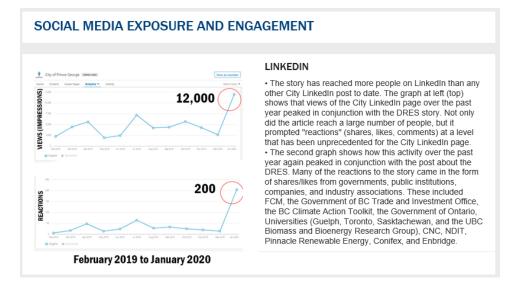
O Posted on Wednesday, January 22, 2020 09:31 AM

Through extremely cold temperatures last week, the City of Prince George's Downtown Renewable Energy System operated at its highest level ever – and may have set a new standard for Canada in the process.

The Downtown Renewable Energy System distributes...







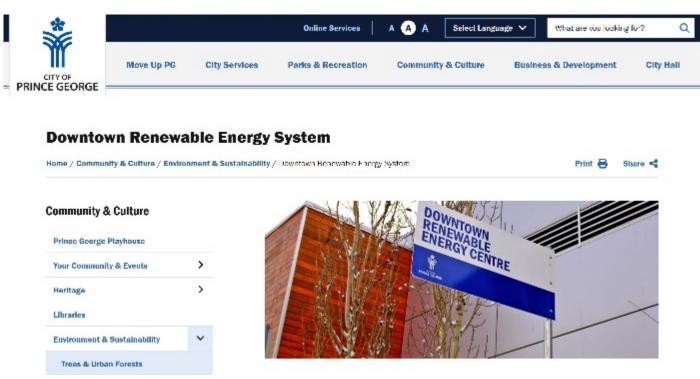
Contacts

Wil Wedel

Manager, Development Services City of Prince George

wil.wedel@princegeorge.ca

www.princegeorge.ca/dres



CITY OF PRINCE GEORGE





Nanaimo Extreme Heat Mapping, Assessment, and Planning

Report Summary



Extreme Heat in 2021

- 619 heat-related deaths in the province
- 55 of which occurred on Vancouver Island
- 11 within the City of Nanaimo





NEH Project Purpose

1

Conduct community engagement to research the social conditions of heat risk 2

Map neighbourhoods and locations disproportionately at risk 3

Research best practices for extreme heat responses from other communities

4

Make recommendations for reducing heat risk in Nanaimo



Heat Vulnerability Factors

Older adults living alone or in isolation

- (65+; 55+ for Indigenous Peoples)
- 24.6% of city population is 65+

Have a chronic mental or physical health condition

• Assumed as a possible factor of the elderly population

Those who use substances

- Large homeless population in Nanaimo, a high percentage of which self-report substance use
- Also discernable in the housed population

Living with a disability

• Assumed as a possible factor of the elderly population

Low-income renters

- Pre-1980 rental building stock prevalent in Nanaimo
- Cooling infrastructure is rare in these building types



Community-reported Barriers

Accessing online communications

Perceptions of trust and safety

Declining health during COVID/ compounding medical conditions

Public transportation safety perceptions

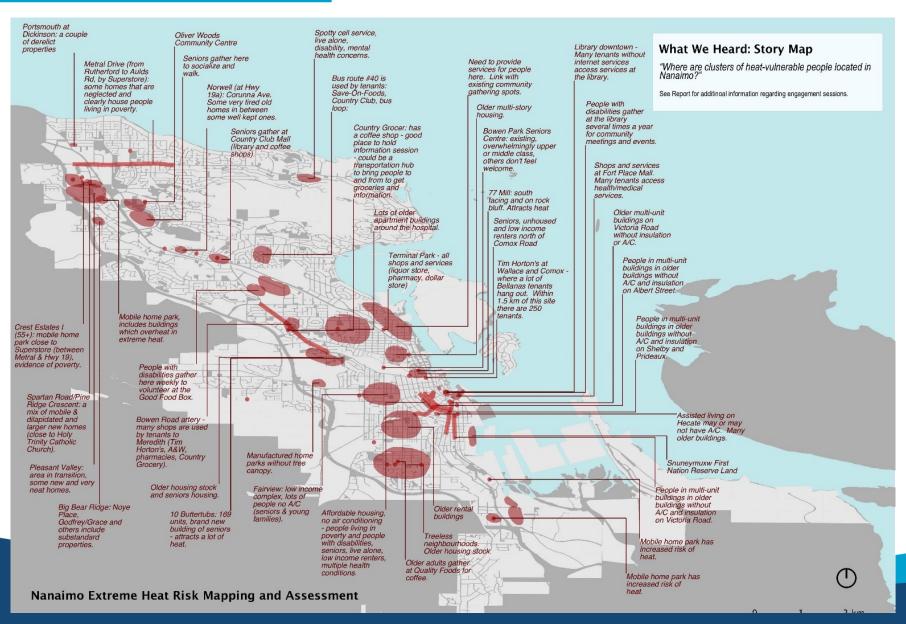
Experiences of discrimination in accessing indoor spaces

Tenant-landlord/strata relationships

Financial barriers

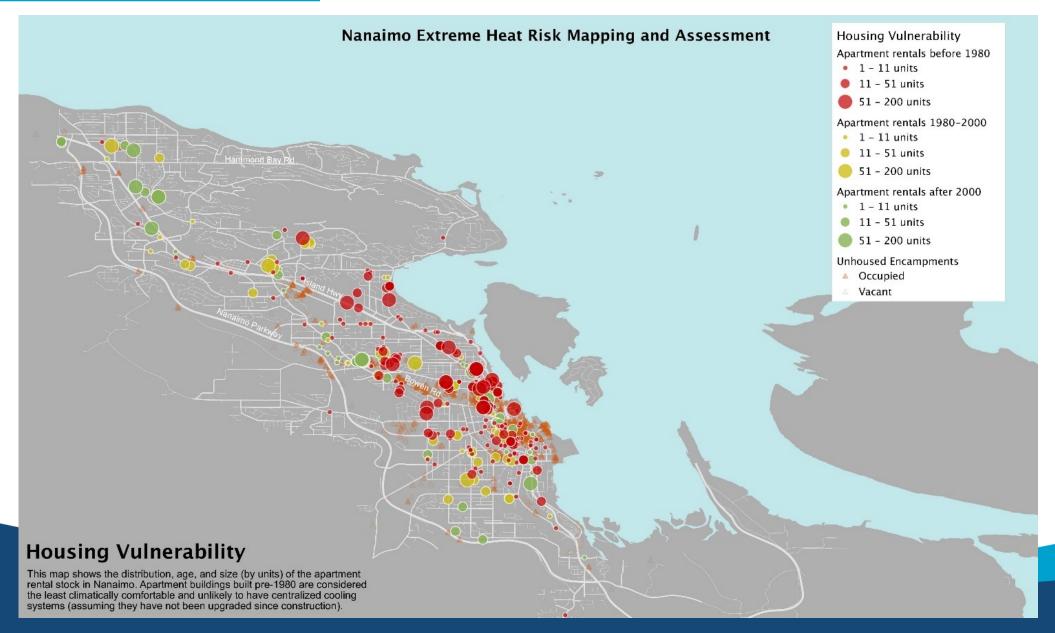


What we heard: Story Map



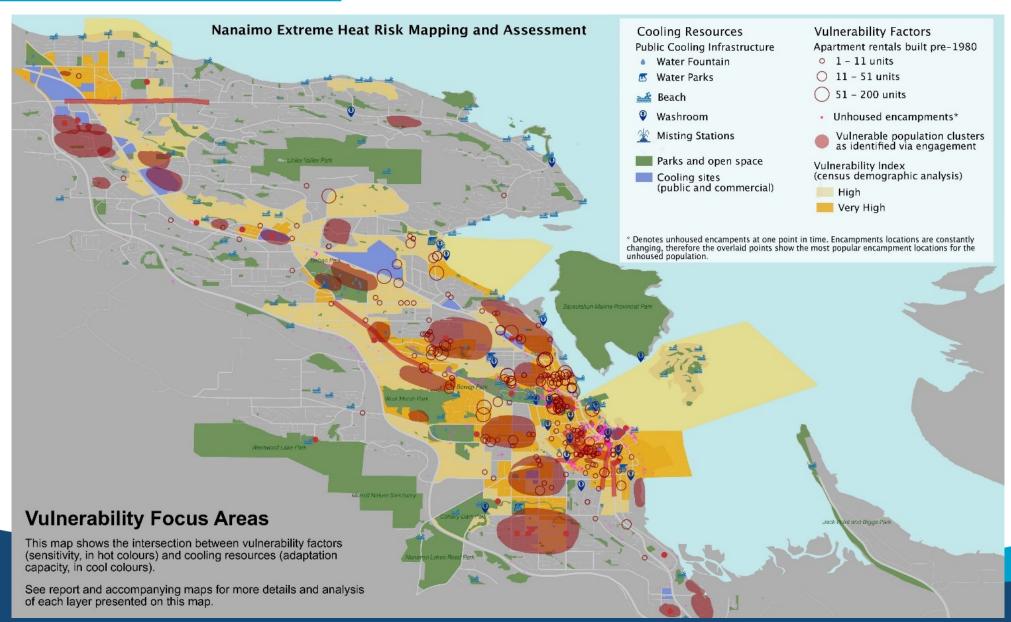


Housing Vulnerability





Vulnerability focus areas





Recommendation 1: Improve communications for heat response

- Collaborate with Snuneymuxw First Nation (SFN)
- II. Encourage neighbour-toneighbour resiliency;
- III. Provide communications and public-facing mapping in diverse formats and languages;
- IV. Leverage existing trusted connections; and
- V. Identify community champions and informal gathering spots.





Recommendation 2: Provide information on in-home heat relief

- I. Maps of heat-relief locations outside of the home;
- II. Simple tips and tricks for athome cooling;
- III. Information about reducing financial barriers to enable inplace heat relief.



NO COST



Reduce Indoor Hea during the day

Close window(s) and curtains or blinds to shutout the sun and heat.

If you are in a poorly insulated house, closing windows could make it hotter. If you need to open a window, try placing a fan blowing outside to allow warm air out of your house instead of drawing hot air in.



Check with your neighbours, family, friends and those at risk

If you live alone, find a heatbuddy to check in on you and take you to cooling centres or help you with cooling measures at your residence.

Check in on your heat-buddy and neighbours multiple times a day, especially homebound individuals or people who live alone.

Cool house at night

Open window(s) at night to allow cool air inside.

Put a fan by the window facing in to blow air into the house when the temperature is cooler outside.

Use fans (including kitchen & exhaust fans) to circulate cool air



Minimize indoor he

Turn off unused appliances.

Cook food in a microwave rather than oven.

Dry clothes on a patio or a small drying rack inside.

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Use your fans wise

Set your ceiling fans to rotate counterclockwise and place a bowl/tray of ice in front of a fan

Do not use a fan when the indo air temperature is over 35°C (95°F). Using a fan can be more harmful than helpful when indo air temperatures are hotter tha your body temperature.



Cool your body

Wear cool, loose clothing.

Use water-soaked cloths or cooling packs on your neck and wrists.

Sit in or put legs in a cool (not cold) bath.

Take a cool shower to draw he from your body.

Plan for modified working, livin and sleeping arrangements.



Recommendation 3: A spatial approach to heat relief planning

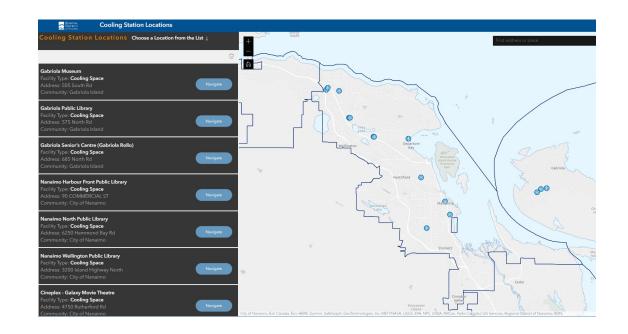
- I. Respond to potential updates to the BC Building Code;
- II. Invest in nature-based solutions, by
 - a. Increasing the tree canopy
 - b. Adding cooling infrastructure
 - c. Providing free accessible transportation
- III. Collaborating with SFN to support re-connecting with natural heat relief outdoors by accessing forests, waterfronts and riparian areas.





Recommendation 4: Increase adaptive capacity through municipal leadership

- I. Extending hours of operations for public buildings as places of refuge;
- II. Providing mobile heat relief hubs
- III. Trialing pilot projects with adaptive learning approaches





Thank you!

Evan Lloyd

Emergency Program Manager Evan.Lloyd@nanaimo.ca

Archway for Domestic Peace

In appreciation of our speakers today and with thanks for your contribution, UBCM has made a donation to the Archway Society for Domestic Peace. The Archway Society provides a wide range of supportive services for survivors of domestic and sexual violence. Services include; safe shelter, counselling, child and youth advocacy, outreach services, and collaborative community projects.