

MAKING THE CASE FOR LOW-CARBON SOLUTIONS

Climate Leadership Institute

November 2017 |



SocialCapital
STRATEGIES

www.climateaccess.org

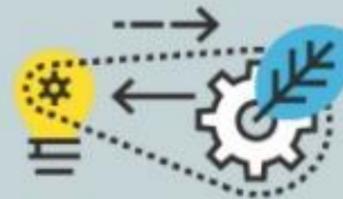


[HOME](#) [WHO WE ARE](#) [SERVICES](#) [PROJECTS](#) [NETWORK](#) [RESOURCES](#) [BLOG](#) [Q](#)



Compassion, context, and solutions: Communicating about climate after Harvey

[BLOGS](#)



Climate Access is a nonprofit organization building support for climate solutions through a learning network, piloting innovative engagement projects, and providing strategic consulting services.

[NETWORK](#)

[PILOT PROJECTS](#)

[STRATEGIC SERVICES](#)



BRITISH COLUMBIA IS MAKING PROGRESS
THE PRIORITY CHALLENGE

THE TYPICAL CASE FOR ACTION



Things are really bad (leads with the daunting goal, scientific challenge)

Municipalities have no choice but to respond

Climate is a new mandate

THE CASE FOR VITAL COMMUNITIES

Vision

This is what we aspire towards...

- Quality of life
- Affordability
- Vibrant economies
- Sustainable growth
- Protecting natural assets

Choice

This is how we get there...

- Conserving and producing our own energy
- Taking smarter approaches to how we develop and grow
- Promoting active transportation
- Turning waste into a resource

Opportunity

The benefits are many and outweigh the costs...

- Reducing costs and redirecting savings back into local programs that benefit the community.
- Attracting investments, new industries, jobs and talent.
- Help manage and stabilize the cost of living.
- Promote public health and well-being.
- Protect natural resources and promote a sense of place and community pride.

Challenge

There are also risks if we don't take action...

- Decline of certain industries/economies
- Extreme weather and other climate impacts
- Population growth
- Rising municipal debts



MAKE AND SAVE MONEY
THROUGH ENERGY INNOVATION

PROMOTE DEVELOPMENT
AND A HIGH QUALITY OF LIFE



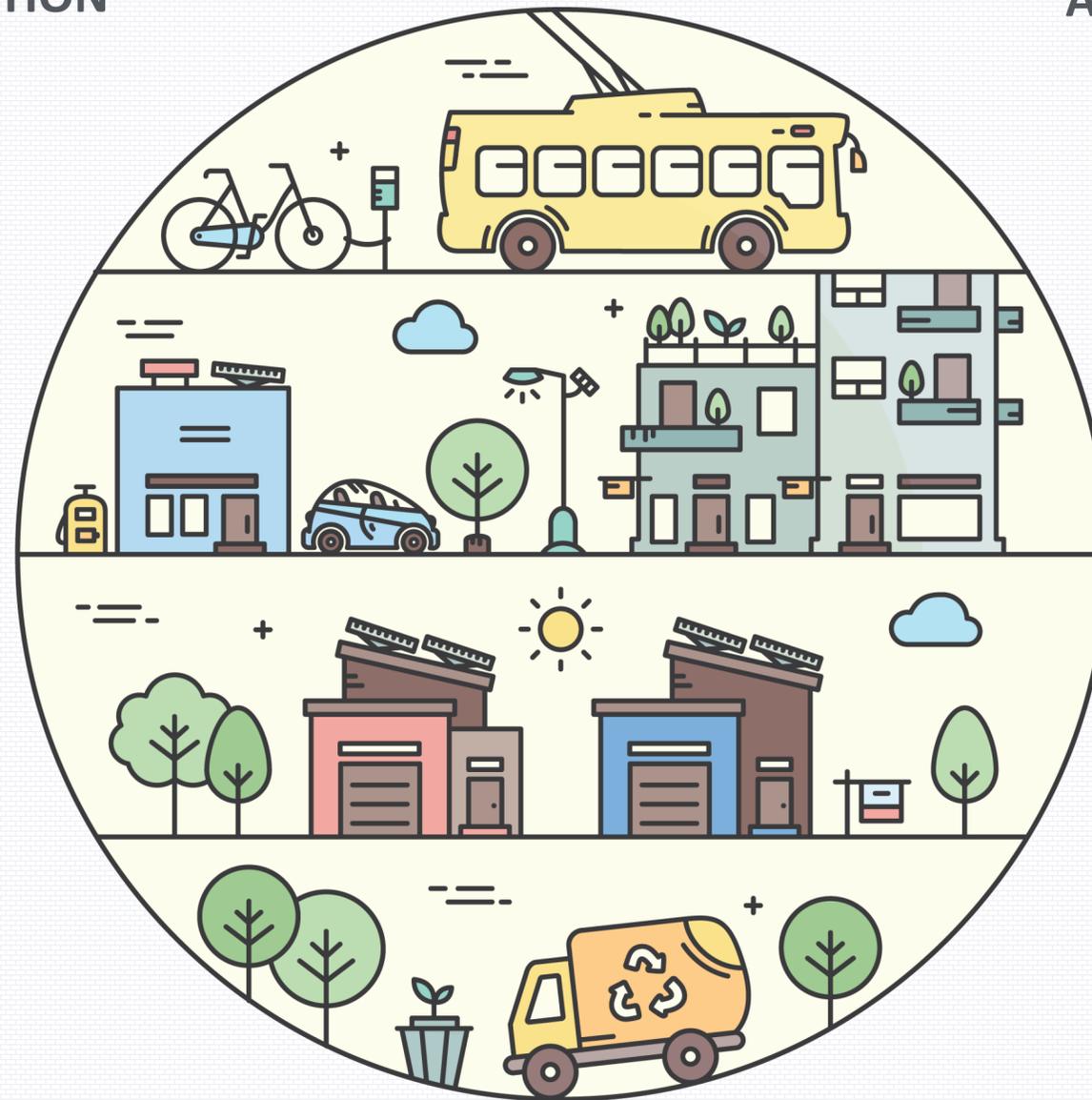
BUILD STRONG ECONOMIES
CREATE LASTING JOBS

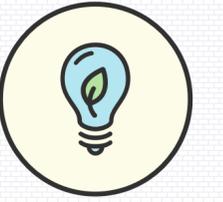
POWER STRONG
COMMUNITIES



IMPROVE
AFFORDABILITY

TURN WASTE INTO
OPPORTUNITY

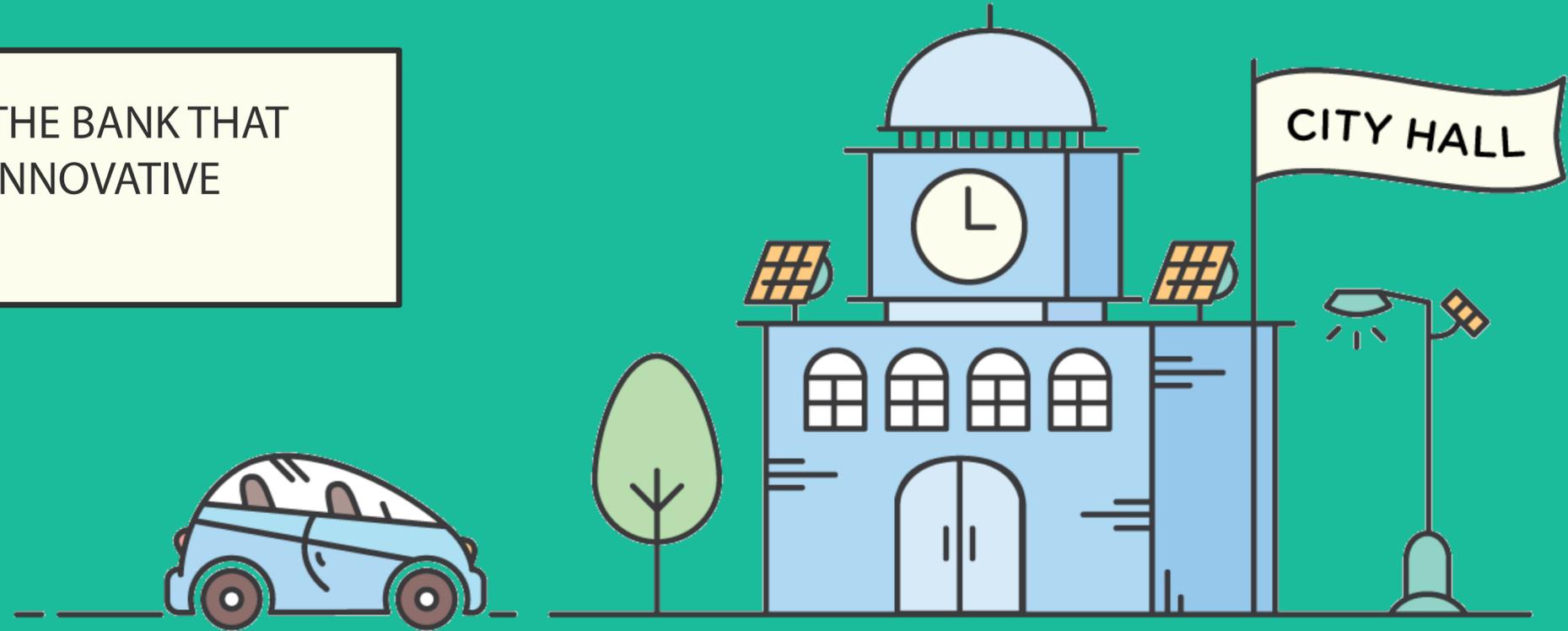




**MAKE AND SAVE MONEY
THROUGH ENERGY INNOVATION**



REDUCED EMISSIONS EQUALS MONEY IN THE BANK THAT CAN BE USED TO FUND IMPORTANT AND INNOVATIVE COMMUNITY PROGRAMS.



CHARGING STATIONS



EFFICIENCY TRAINING



RECREATIONAL FACILITIES

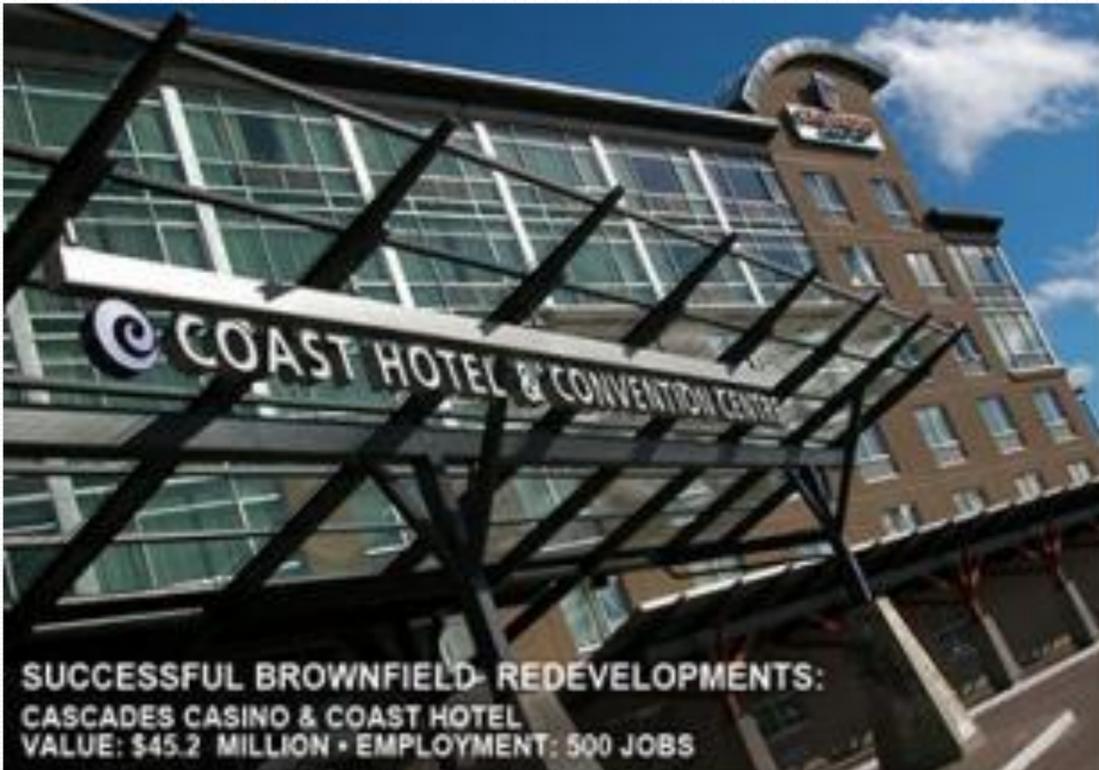




**BUILD STRONG ECONOMIES
CREATE LASTING JOBS**



The City of Langley delivered **\$192 million in new construction** and **850 new jobs** through its brownfields redevelopment strategy while encouraging density and preserving greenfields.



Let us help you turn
Brown into **Green**

Convert your premium location, under-valued industrial or commercial brownfield site into a highly profitable property that not only makes our community more green and sustainable, but also puts more green in your pocket.

LEARN MORE ABOUT CITY DEVELOPMENT INCENTIVES THAT CAN TURN BROWNFIELDS INTO A GOLDMINE. CONTACT DEVELOPMENT SERVICES AT
604.514.2815

[DOWNLOAD THE BROWNFIELD STRATEGY HERE](#)

SUCCESSFUL BROWNFIELD REDEVELOPMENTS:
CASCADES CASINO & COAST HOTEL
VALUE: \$45.2 MILLION • EMPLOYMENT: 500 JOBS

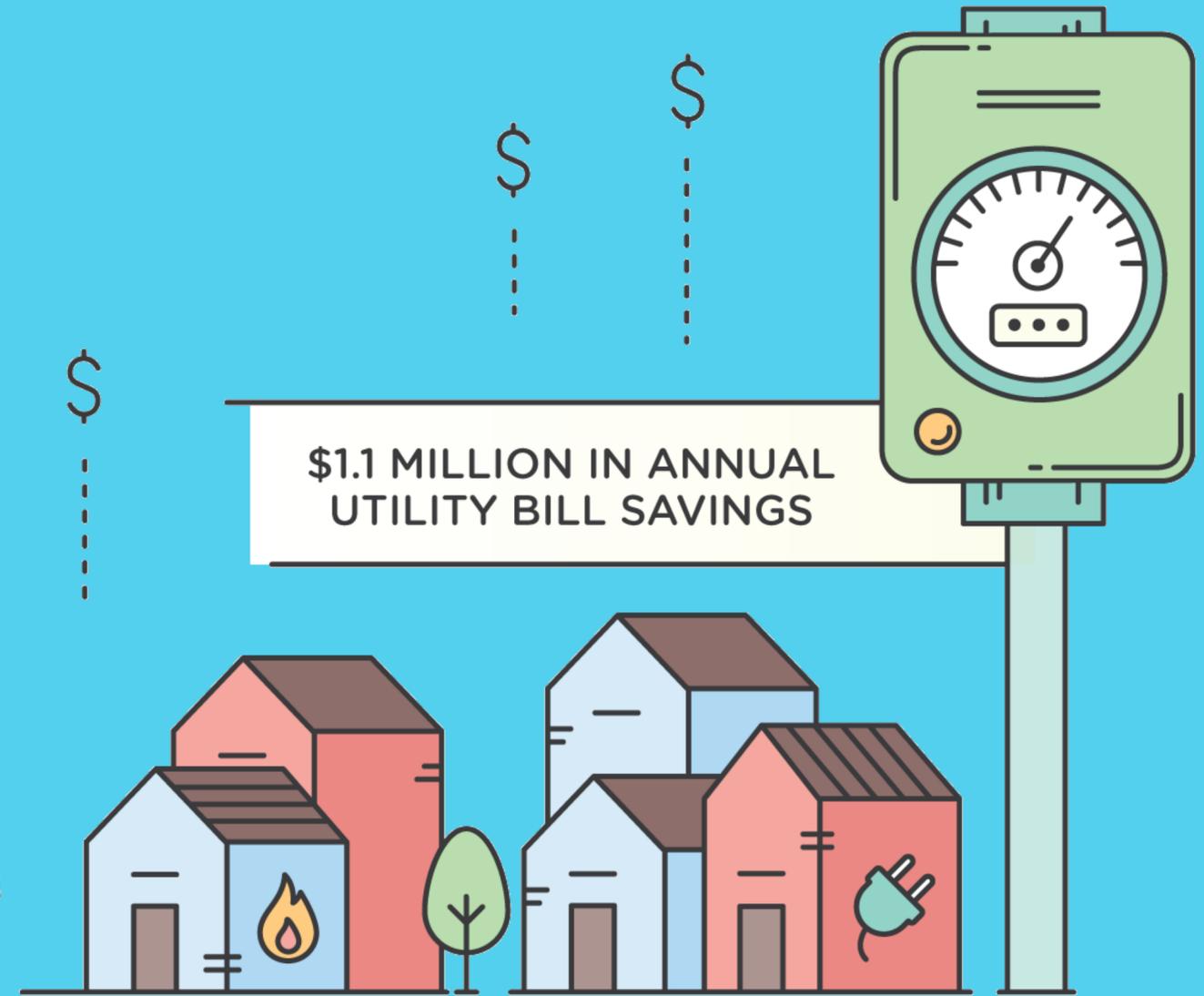




IMPROVE
AFFORDABILITY



SURREY'S GREEN BUILDING POLICY PROJECTS \$1.1 MILLION IN ANNUAL UTILITY BILL SAVINGS ACROSS MORE THAN 5,000 HOUSEHOLDS IN A NEW DEVELOPMENT.





An extensive lighting upgrade to the Strathcona Hotel is expected to save the downtown Victoria business **\$24,000/year in energy costs.**





**PROMOTE DEVELOPMENT
AND A HIGH QUALITY OF LIFE**

DUAL BENEFITS OF DENSITY & EFFICIENCY

North Vancouver's Energy Efficient Buildings Initiative has led to nearly all new construction in the city being built to higher energy standards while helping developers achieve maximum building density.



PROPOSED ZONING BYLAW AMENDMENT OPEN HOUSE

Public Information Session on Higher Energy Standards for "Part 3 Buildings"

www.cnv.org

How did we do so far with our **Higher Energy Standards?**

Since 2011, our higher energy standard (ASHRAE 90.1-2007) adopted in 2010 has resulted in...

100%
Industry Uptake

~441 tonnes of
greenhouse gas
reduced over the past
two years

New buildings are
now **5% more** energy
efficient

**Our next
opportunity
and target...**

As green buildings technology and energy standards continue to evolve, higher energy-efficiency is becoming more achievable and cost-effective. ASHRAE 90.1-2010 and NECB-2011 are two such standards being considered by the Province of BC and the City of Vancouver as the next referenced energy standards in their building codes.

The City has the opportunity to raise our energy standard requirements in the Density Bonus Program by providing the industry with a choice to meet ASHRAE 90.1-2010 or NECB-2011. The new energy standards will further contribute to the City's commitment to sustainability and to meeting community-wide greenhouse gas reduction targets.



Four public charging stations have powered more than 2,700 electric vehicles in the Township of Langley, **avoiding 10,000 litres of gas consumption, an even greater amount in fuel costs, and 23 tonnes of carbon emissions** – all at a cost of \$1,700 to the municipality.

Township of Langley Municipal Hall

PlugScore **6.8** Ports EV Plug (J1772)

Stations
ChargePoint
EV Plug (J1772)

Address
20338 65 Avenue, Langley BC, V2Y 3J1

Hours
24/7

Description
Free level 2 EV charging. 2 hour maximum. Located in the upper level parking lot. Accessible 24 hours a day.

Photos

Last Check In
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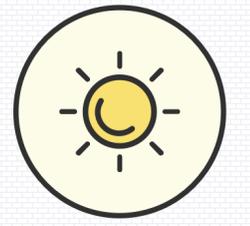
Residential Chargers
Shared by PlugShare members

Public Stations
Installed by business or government

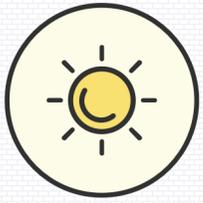
High Power Stations
DC fast charge or Superchargers

In-Use Stations
Currently in-use

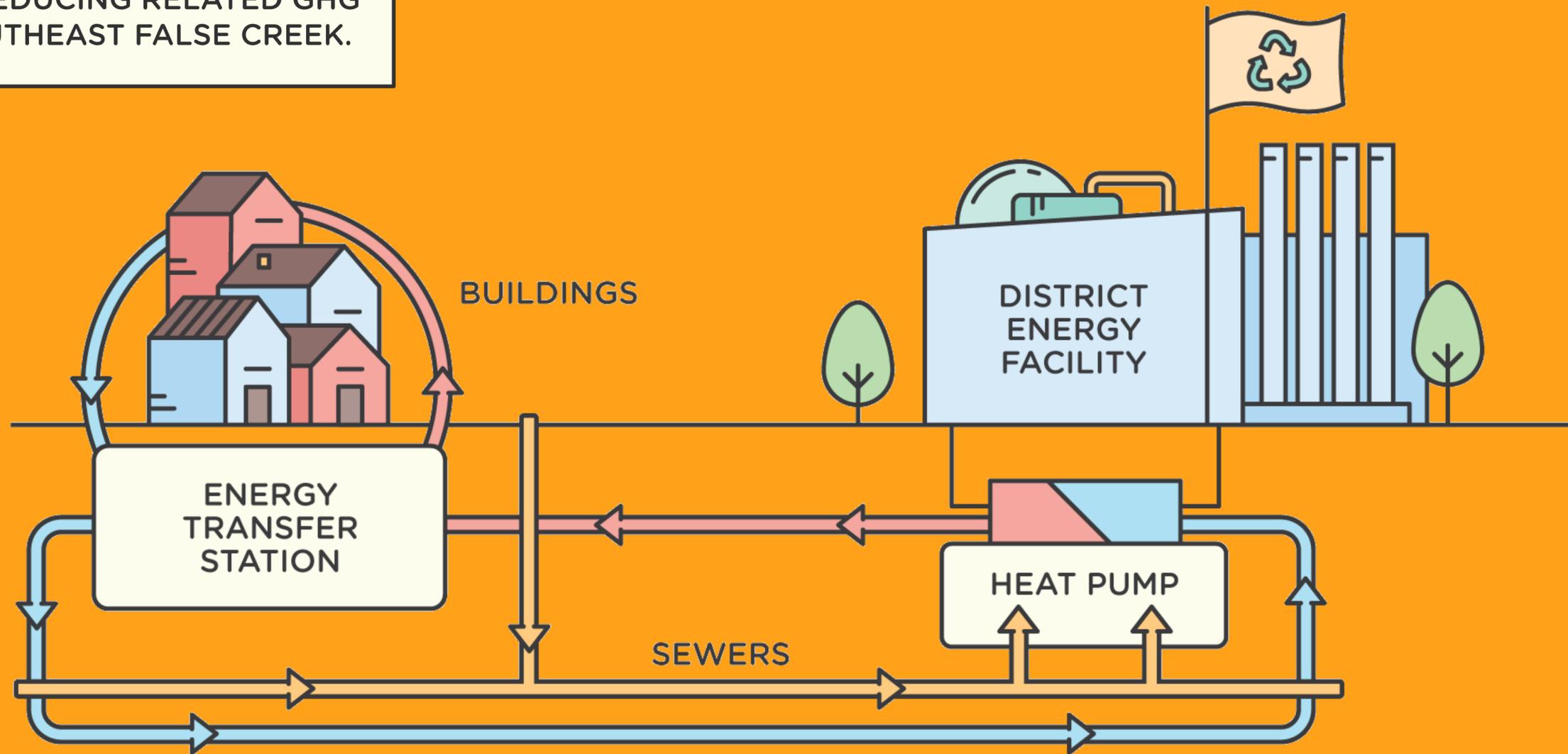
[More Options](#)

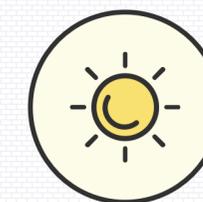


**POWER STRONG
COMMUNITIES**

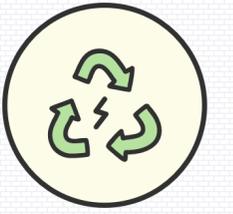


RECYCLED ENERGY FROM WASTEWATER
TREATMENT PROVIDES HEAT AND HOT WATER
TO NEARBY BUILDINGS, REDUCING RELATED GHG
EMISSIONS BY 60% IN SOUTHEAST FALSE CREEK.

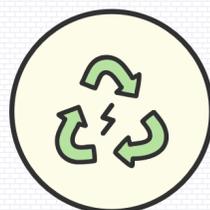




Canada's first Aboriginal solar community, T'Sou-ke First Nation built one of the largest solar photovoltaic projects in B.C., undertook a solar hot water project for 40 homes and used a combination of conservation and efficiency to **cut their energy use by 75%.**



**TURN WASTE INTO
OPPORTUNITY**



Curbside composting in Nanaimo **has saved the region \$16 million in capital costs** by extending the life of the landfill, and **increases employment in recycling and composting**. 85% of residents are happy with the Zero Waste program.

THE CLIMATE IMPERATIVE



Rising impacts



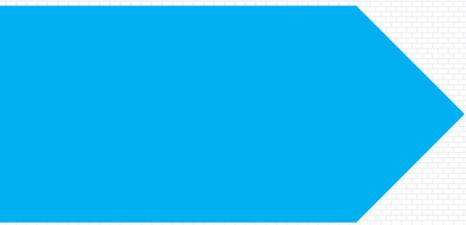
Increasing infrastructure demands



Race to the top

A RECIPE FOR SUCCESS

- ▶ **VISION:** Develop and set clear goals. Measure and communicate outcomes.
- ▶ **INTEGRATION:** Embed with core community programs.
- ▶ **CO-RESPONSIBILITY:** Involve municipal staff and focus on capacity building.
- ▶ **ENGAGEMENT:** External stakeholders part of the process from the outset.
- ▶ **PILOTING:** Discreet projects that generate short-term results and help motivate further action.
- ▶ **INNOVATION:** Return cost savings into tangible community projects.
- ▶ **LEVERAGING:** Learn from others. Seek out partnerships.



THANK YOU

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