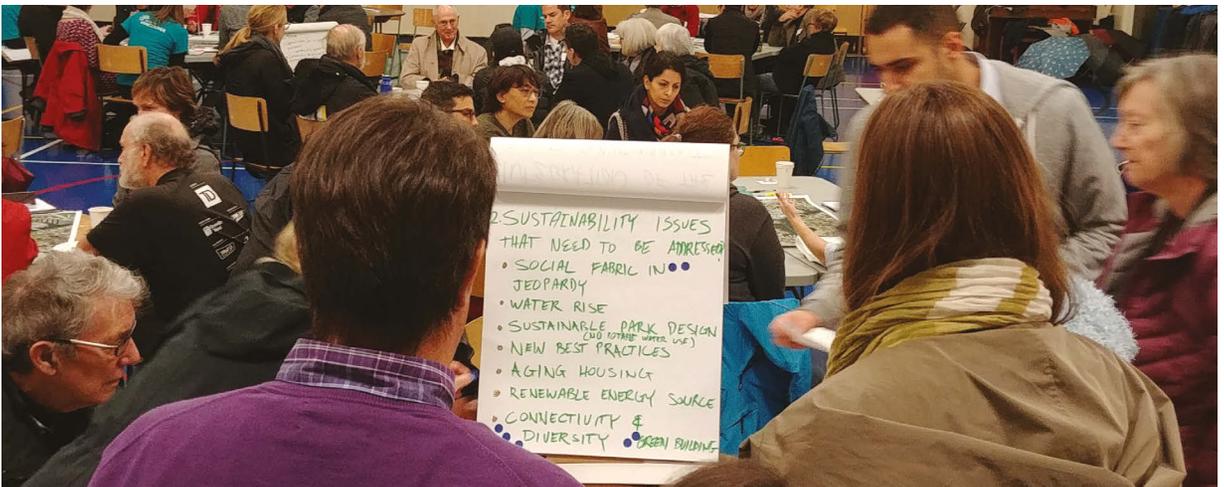
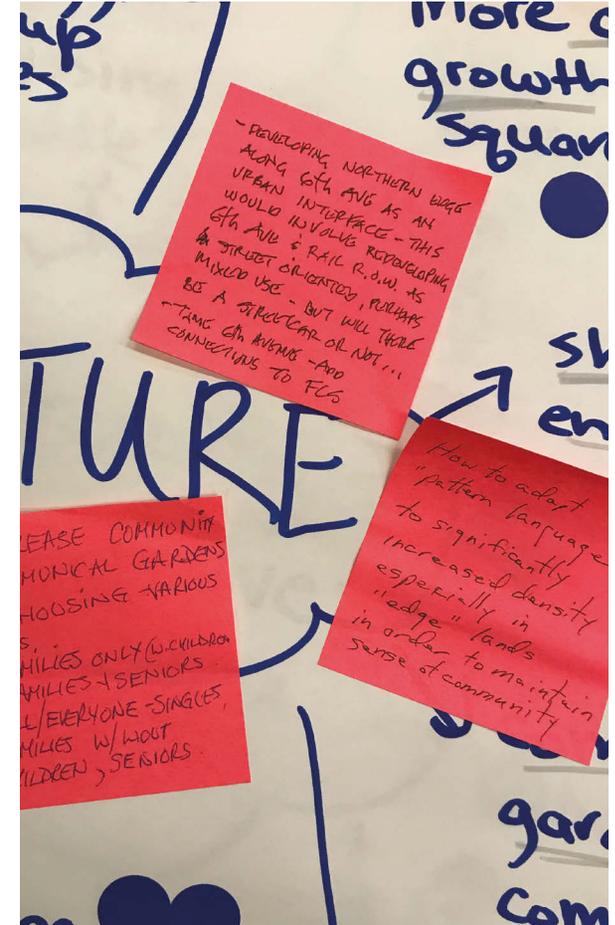


WORKSHOP 2: sustainability

workshop summary
december 2, 2017

WORKSHOP OUTLINE

1. Welcome & introductions
2. Presentation: Sustainability - What is it?
3. Breakout discussion
4. COV presentations
 - Environmental City Policies
 - Ecological Overview of FCS
 - Rainwater Management
 - Social Sustainability
5. Breakout discussion
6. Report back
7. Closing, next steps, thank you



December 2, 2017
9:30 am - 12:30 pm

False Creek Elementary School Gym
900 School Green
Vancouver, BC

49 workshop participants

KEY THEMES

After a presentation, workshop participants were asked to discuss:

- **COMMUNITY:** What is sustainable in False Creek South now? What issues about sustainability do you think need to be addressed?
- **FUTURE:** What might a sustainable future in False Creek South look like? What role can False Creek South play in contributing to a sustainable Vancouver?

The key ideas were collected and organized into major themes:

- Enhance False Creek South's **natural ecology** and improve its **ecological health**
- Become a leader in **local food systems**
- Improve **accessibility and connectivity**
- Pursue **innovative design solutions for climate change adaptation**
- Demonstrate **adaptability and resiliency** to climate change
- A desire to maintain and enhance **social sustainability** in False Creek South
- Enhance and accommodate the **diversity** of the neighbourhood (age & ability, household, income, ethnic, cultural) through design
- Create a **connected, intergenerational community**
- Support a range of **affordable housing options that are flexible and adaptable** for changing households
- Ensure **security of tenure** for existing residents
- Enhance the range of **amenities and services** for a broader demographic
- Cultivate a **diverse, stable, healthy community**
- Foster a **resilient local economy** and increase **opportunities for a sharing economy**
- **Land and housing is not a commodity**
- Employ a **holistic and inclusive approach** to neighbourhood planning

WHAT IS SUSTAINABLE ABOUT FCS NOW?

ENVIRONMENT & LANDSCAPE	SOCIAL SUSTAINABILITY	MOBILITY & ACCESSIBILITY	URBAN DESIGN	PUBLIC REALM & OPEN SPACE	OTHER
<ul style="list-style-type: none"> • Birds present in summertime (space feels separated from city) • Landscape - very special natural, wild landscape • Balance of ornamental and natural feeling urban forest • Forested area • Large trees (not over parkades, uninhibited) • Designed landscape (eg waterfall) • Beauty is visible (eg the natural setting, green space) • Diversity of green spaces 	<ul style="list-style-type: none"> • Sense of belonging • Diversity in mix of housing types and affordable tenures • Mix is not provided by conventional condos • Housing for all income levels • Healthy, high-quality community connections • Family living • Multi-generational accessibility • The community energy can be felt • Mix enhances interaction • Friendly people • Strong networks for community resilience • Co-ops as equalizers • Complete community • Intentional planning for social connections • Localized knowledge of land, people, and water (eg knowledge held by marina co-ops) • Support system, everyone uses the same services 	<ul style="list-style-type: none"> • Walking, biking, transit • Walkability • Controlled traffic access • Active transportation • Accessibility • Safety - ability to walk home and to school • Self-contained zone - services you can walk to “you can abandon anything except your shoes” • Economic advantage - car-less society 	<ul style="list-style-type: none"> • Enclave design (not car centric), centre is porous • Low-rise vs. high-rise • Low density and lots of infrastructure • Green spaces/networks - not a grid (topography and inner courtyards and pathways), kids playing • Building sizes are relatively smaller (ability to meet neighbours) • Proportions of green space to building/ transportation infrastructure • Good integration of built environment and nature 	<ul style="list-style-type: none"> • Mix of routes, sizes and types, and open spaces (fenceless community) • Charleson Park - dog, children friendly, natural environment, wildlife • Parks, safe places to play, ground oriented courtyards that allow for children to play and have some autonomy • Recreational water access 	<ul style="list-style-type: none"> • Community off the major polluting routes/arterials which is safer for children (away from traffic and pollution) • Seawall that is used by community and the city for active lifestyles • Creek clean-up • On-water living opportunities • Tourism flow - people pass through • Testing zone - can be paradise

SUSTAINABILITY ISSUES TO ADDRESS

WATER/RAINWATER MANAGEMENT	SOCIAL SUSTAINABILITY	COMMUNITY DESIGN	PUBLIC REALM & OPEN SPACE	BUILDING DESIGN	TRANSPORTATION & MOBILITY
<ul style="list-style-type: none"> False Creek water quality Sustainable park design (no potable water use) Charleson Park has bad drainage issues Need to make surfaces permeable Sewer overflow (storm and sanitary) Rainwater and streets = contamination 	<ul style="list-style-type: none"> Social fabric in jeopardy - middle income squeezed out New immigrants - people of colour Support families Missing middle Connectivity and diversity We need young people (25-30 year olds with young families) Community Services: Seniors centre narrows too much into silos; need an expanded community centre that welcomes all Resident Protection (eg people don't want to move, clarify leases) 	<ul style="list-style-type: none"> What will density look like? (eg don't want Yaletown/high-rises) Porosity of community edge Underground parking Can current building footprints be maintained? (same footprint to open space ratio) Underutilized edge - train line that separates the slopes and FCS - component should be reconsidered Tram line covered with buildings on top with retail at grade Like to see better connections - designed as an island (eg train track) Aging in place (eg spaces along the edge where seniors who want to stay in the neighbourhood can move to small units freeing up their units for families) More 1 bedroom options in co-ops Mixed buildings (eg not standalone seniors housing) 	<ul style="list-style-type: none"> Culture/gathering opportunities Leg-in-Boot Square has failed because cars can't access - not enough foot traffic to make retail viable What if Leg-in-Boot was a community centre - a meeting place Half of Charleson Park is a dog park; the amount of space for humans is small. Water space has been taken over by dogs. Lots of geese in Charleson Park Connecting to spaces Retain parks, forest, open space, and access to water Ensure dog park area remains for dogs Dogs and people interactions 	<ul style="list-style-type: none"> Green building design (eg passive house, independent energy utilities, green roofs) Electrical charging stations in buildings to have future ability for electrical cars Opportunity to design in order to not need as much parking Integrate nature into building form Improved energy efficiency and renewable when updating buildings Concern with end of building life (view protection) Rebuilding of old buildings to improve water and energy consumption Renew buildings - opportunity for innovation to be piloted (eg transition older buildings to sustainable, newer forms) Short sighted to tear down Aging housing 	<ul style="list-style-type: none"> Cyclists on seawall (eg speed, security around sharp/blind corner) Concern with focus on transportation that doesn't work with older people - bikes and buses don't go here Better link for faster cyclists to road routes (as opposed to seawall) Like to see train come back vs. new buildings Public realm on street needs improvements - highly visible now pedestrians pushed off seawall due to construction Improve walking access to Canada Line
<p>OTHER</p>	<p>CLIMATE CHANGE</p>		<p>INNOVATION</p>	<p>ECONOMIC</p>	<ul style="list-style-type: none"> No local market in this area (food assets, local artists, buskers) "The right to hang out" with retail that's left
<p>False Creek South</p>	<ul style="list-style-type: none"> Seawall at risk of flooding/ sea levels rising Managing intertidal areas at the water's edge Intertidal area (activity, contamination, sea level rise) Charleson Park could be more resilient to rising sea levels (eg floodable portions) 		<ul style="list-style-type: none"> Charleson Park testing zone Adaptability Look at best practice opportunities/precedents (international and local knowledge) 		



ENVIRONMENTAL SUSTAINABILITY

EMERGING PRINCIPLES

- Enhance False Creek South's **natural ecology** and improve its **ecological health**
- Become a leader in **local food systems**
- Enhance **accessibility and connectivity** to support social connectivity and community health
- Pursue **innovative design solutions for climate change adaptation**
- Address environmental sustainability through **building design and renewable energy**
- Design for **sea level rise adaptation**

IDEAS FOR AN ENVIRONMENTALLY SUSTAINABLE FUTURE

COMMUNITY DESIGN	PUBLIC REALM & OPEN SPACE	ADAPTABILITY/GREEN INFRASTRUCTURE	RENEWABLE ENERGY	NATURAL ECOLOGY	EDUCATION & AWARENESS
<ul style="list-style-type: none"> • Transit-oriented development • Improve 6th Ave (currently a barrier) • Better internal connections (eg roadways, sidewalks) • Better external connections (eg to GI, Fairview, transit connections, connections from across the Creek) • Social spaces within developments not dependent on city-wide services • Stronger sense of place on edge sites • Services/places for youth • Food productions/services - walkable food access • Private enclaves are not approachable to outsiders - need mix of uses (including small businesses) • Green streetcar corridor • Housing over the streetcar • Streetcar on 6th Avenue • Maintain density (unique in 1970s and remains a high standard) • Separate options for recreation vs commuters • Mobility improvements for walking & cycling • Smart density (affordable, walkable, garden space) 	<ul style="list-style-type: none"> • More/better public parks and green spaces throughout • Increase internal walking/strolling opportunities • Underutilized space: Leg-in-Boot Square (eg include an Outdoor public gym) • Improved public realm • Grass/landscapes may not be environmentally responsible • Beachfront opportunity - public • Park oasis for diverse groups • High-line idea to connect FCS to Fairview • Opportunity for sun enjoyment (beach?), raised lounge areas, geese poop free recreation areas • Dogs - there should be a separate area. Increase in dogs, co-opted children's play area • Need space for young families - co-ops trying to encourage more families • Urban agriculture and community gardens 	<ul style="list-style-type: none"> • Green infrastructure elements • Developments dealing with stormwater on site • Permeable landscaping • Wetlands, storm water management • Stormwater collection for grey water • Use Laurel St Bridge for water collection • Look at wetland opportunities • Drainage area isn't great • Rain gardens with better riparian areas that can flood • Water conservation and rainwater collection (eg for Charleson Park waterfall - it shouldn't be potable) • Eliminate combined sewage - must address, common effort • Water collection/purple piping • Raise seawall 1m • Mitigate flood risk 	<ul style="list-style-type: none"> • Heat from sewage system • Geothermal • Neighbourhood energy grid connections (like Olympic Village) • Renewable energy opportunities (geothermal, water, etc) 	<ul style="list-style-type: none"> • Reclamation of shoreline • Greener shorelines • Biodiversity (eg love how SEFC's efforts have seen many birds and animals come back, otter caves) • More native vegetation • Living with nature vs trying to control it • Integration of urban forest and water • Improving ecological diversity (connected to sea level rise adaptation) • Look for restoration opportunities (that don't conflict with local users) • Large trees throughout community • Wildlife management (eg Canadian geese make the park unusable) • Clean water in Creek (eg clean enough to swim!) 	<ul style="list-style-type: none"> • Environmental education for buildings • Expert access (eg availability of expert services) • Look at both resident and visitors experiences • Educational component (eg water waste, carbon footprint). Need to better understand the system, how does our whole lifestyle affect it
					OTHER
					<ul style="list-style-type: none"> • The land likely requires remediation - some very toxic • A place for kayakers to launch and land • Better regulation of boat traffic • Integration with Granville Island plans

SOCIAL SUSTAINABILITY

EMERGING PRINCIPLES

- Maintain and enhance **social sustainability** in False Creek South
- Enhance and accommodate the **diversity** of the neighbourhood (age & ability, household, income, ethnic, cultural) through design
- Create a **connected, intergenerational community**
- Support a range of **affordable housing options**
- Plan **flexible and adaptable housing** for changing households
- Ensure **security of tenure** for existing residents
- Enhance the range of **amenities and services** for a broader demographic
- Cultivate a **diverse, stable, healthy community**
- Foster a **resilient local economy**
- Increase **opportunities for a sharing economy**
- **Land and housing is not a commodity**
- Employ a **holistic and inclusive approach** to neighbourhood planning

IDEAS FOR A SOCIALLY SUSTAINABLE FUTURE

HOUSING DIVERSITY	PUBLIC REALM & OPEN SPACE	LOCAL RETAIL/ COMMERCIAL	COMMUNITY SERVICES	DESIGN	OTHER
<ul style="list-style-type: none"> • Increase availability of affordable housing • Increase diversity of housing (more co-housing and micro units) • Maintain/increase co-op model (helps to address affordability and social isolation, challenge in operating agreements with Feds and Province) • Housing for hospital staff • More options to move within the community/ tenure types (more flexibility for aging in place, options for downsizing, family friendly units) • More accessible units (currently lots of stairs) • Expand/diversify co-ops, rental, stratas • Need more options for older people (smaller house sizes, 1 beds) to free up units for families • We have missing middle type of housing without the right size families • Range of tenure that different forms provide (co-ops, nonmarket rental, strata). 	<ul style="list-style-type: none"> • More seating and gathering areas (eg picnic tables) • Revitalization of Leg-in-Boot square (eg outdoor gym, bistro, casual work space) • Places people can enjoy together • Community building spaces could be co-located • Addressing dog-people conflicts in Charleson Park • Natural gathering spaces/ places to hang out • Improved public realm and commercial realm 	<ul style="list-style-type: none"> • Increase local retail and social spaces (including pop-up businesses) • Greater opportunities for small, localized business to thrive and be sustainable (eg rent controls) • Library, bookstore would be great to have • Small scale commercial (shops, grocery store) • Artist studios • Live-work opportunities (within the zoning) • Social enterprise opportunities 	<ul style="list-style-type: none"> • Larger school and child related services • Reinvent school to be more accessible to community (programs, spaces) • More aging in place facilities • Availability of community supports • Accessibility to services and amenities (eg food access) • Food security and food waste (local, community gardens, innovative food programming, involve GI) • Connections/connectivity to people and services as socially sustainable 	<ul style="list-style-type: none"> • “Street” - integrating communities divided by 6th Ave • Better pedestrian connection - seawall is good but need others • Public art (not just sculptures) • Active transportation (flagstones not very accessible. Need to rethink surfacing to changing needs) • Green building/passive house • Integrate water & land public transit • On street parking for businesses • Improve walk-by opportunities 	<ul style="list-style-type: none"> • Building planning aligned with social planning • Co-op you have feeling of ownership and belonging, maybe could also happen with rental • We’re not isolated here, we can go somewhere else for culture but here we don’t want to compromise our home life • Connections/connectivity to people and services as socially sustainable • Land trust for delivering social and environment sustainability goals (shows community working together) • Economic diversity HIGH • Cultural diversity LOW (but a co-op has sponsored refugee families, action toward diversity) • Substantial change is disruptive - negative for social cohesion
	<p>INDIGENOUS PRESENCE</p> <ul style="list-style-type: none"> • Show reconciliation • Share through art, poles, storytelling • Collaborative approaches, working with First Nations • Integration of Indigenous cultural design and activities (making space and inviting participation) 	<p>COMMUNITY ACTIVITIES</p> <ul style="list-style-type: none"> • Outdoor event to come into Charleson Park (eg the tempest and salmon projection on the bridge) • Outdoor gyms • Community involvement in taking care of the neighbourhood (eg adopt a high school) • Sharing • Curate programming in squares to attract people/ businesses (eg Leg-in-Boot square events) 	<p>SECURITY OF TENURE</p> <ul style="list-style-type: none"> • Lease renewal • Security of rental with renewed leases • Protection of residents • Renegotiating the land lease is crucial for social sustainability so young people can move in • Some financing barriers because of leases 		

ONE WORD

Workshop participants were asked “What is ONE WORD that describes sustainability in FCS today and one word to describe sustainability in FCS in the future.”

TODAY?	IN THE FUTURE?
Community	Light rail
Community	Green urbanism
Diversity	Security
Community: original development plan	Community: community maintenance
	Cost effective infrastructure
Low density	Resilient housing (more people able to live and enjoy FCS)
Separate pockets	Connected
Transportation (walking, cycling, transit)	Holistic (social, environmental, economic)
Test zone	Paradise zone
Outmoded	Forefront
Engaged	Non-market
Community	Legacy
Aspirational	Achievable and Affordable
Affordability	Affordability?
Humane	Family
Walkable	Densified
Neighbourliness	Continuation
Iffy	Normal
Potential	Inspired
(Low) density	Renewable (energy)
Afforability	
Livable	Connected
Balance	Vibrant
Connectedness	Diversity
Accessible	Inclusive
Diversity	Diversity
Socially	Green
Security	Diversity
Connectedness	Diversity
Residents	Residents