

BUILDING LOCATION 1



Building Type: Multi-use assembly center
Site Size: 15 acres, 2500 residents
Location: Victoria, British Columbia, Canada
Occupancy Date: In operation since 2009
Treatment Plant Size: 1,200 sq. feet (111 sq. m)

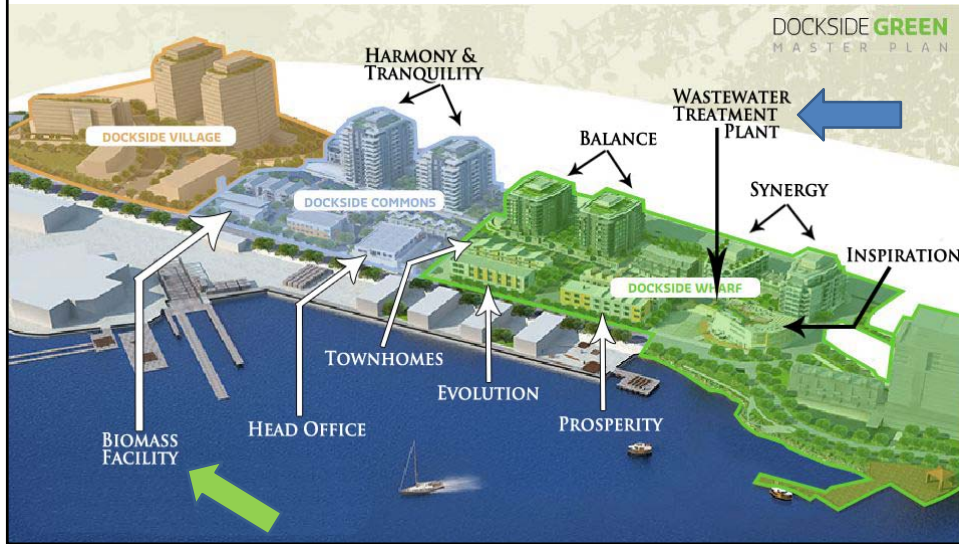
Only 8 ½ Hours from MOSCOW, ID



The 'BUILDING LOCATION' section includes a satellite map of Victoria, British Columbia, Canada, with a red circle highlighting the building site. To the right of the satellite map is a larger map of the Pacific Northwest region, showing a blue line connecting the location to Moscow, ID. Below the satellite map is the text 'Only 8 ½ Hours from MOSCOW, ID' and the YouTube logo.

BUILDING DESCRIPTION

2



SUSTAINABLE INITIATIVES

3



WASTEWATER TREATMENT PLANT



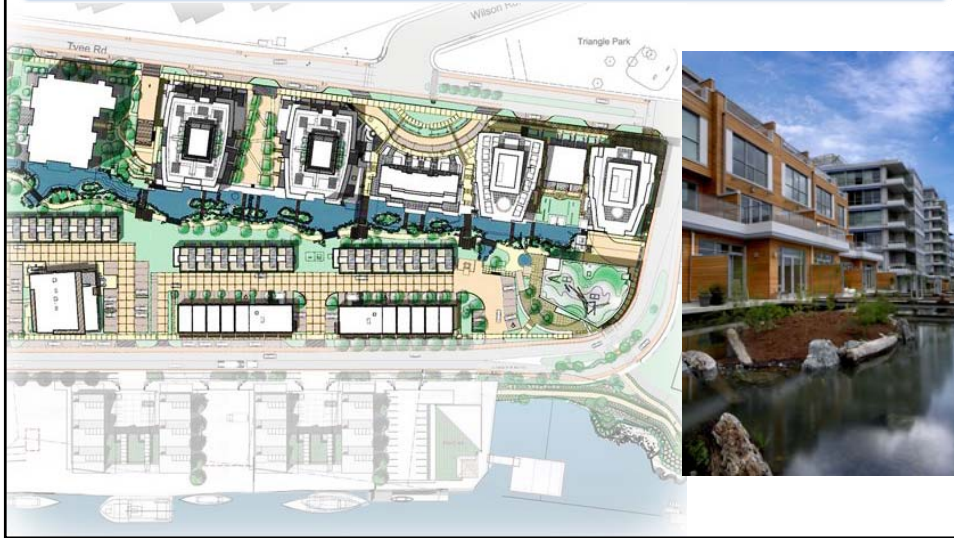
ArchitectureWeek.com

SUSTAINABLE INITIATIVES

4



NATURALIZED WATERWAYS



SUSTAINABLE INITIATIVES

5



RENEWABLE ENERGY STRATEGIES

Wind Turbines

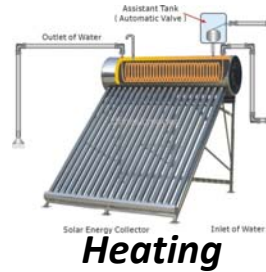


Photovoltaics



Rooftop Gardens

Solar Water-



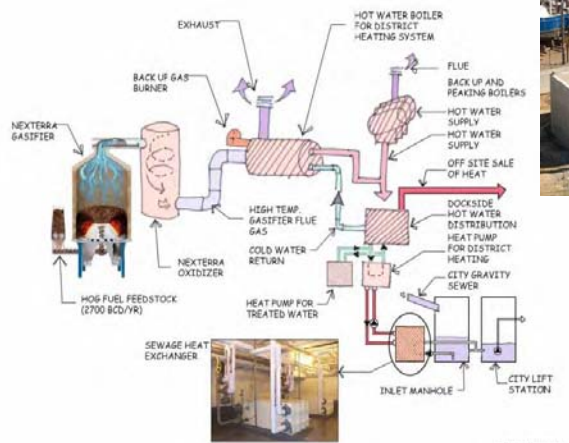
Heating

SUSTAINABLE INITIATIVES

6



BIOMASS GASIFICATION FACILITY



SUSTAINABLE INITIATIVES

7



URBAN ECOLOGY & GREENWAY

CENTRAL GREENWAY



LEED PLATINUM CERTIFIED

8




Innovation in Design

- Credit 1 Innovation in Design
- Credit 2 LEED Accredited Professional

Regional Priority

- Credit 1 Regional Priority

6 Possible Points

1-5
1

4 Possible Points

1-4

LEED 2009 for New Construction and Major Renovations

100 base points; 6 possible Innovation in Design and 4 Regional Priority points


	Certified	40–49 points
	Silver	50–59 points
	Gold	60–79 points
	Platinum	80 points and above

DOCKSIDE GREEN EARNED 90 POINTS

vi

WELLS CHECKLIST

9



Regeneration-Based Checklist for Design and Construction © USGBC @ Taddoussac 1999

	Project:									
	degeneration	sustainability			regeneration					
	100 always	75 usually	50 sometimes	25 a bit	0 balances	25 a bit	50 sometimes	75 usually	100 always	
the site	pollutes air									cleans air
	pollutes water									cleans water
	wastes rainwater									stores rainwater
	consumes food									produces food
	destroys rich soil									creates rich soil
	.dumps wastes unused									consumes wastes
	destroys wildlife habitat									provides wildlife habitat
	imports energy									exports energy
	requires fuel-powered transportation									requires human-powered transportation
	intensifies local weather									moderates local weather
the building	excludes daylight									uses daylight
	uses mechanical heating									uses passive heating
	uses mechanical cooling									uses passive cooling
	needs cleaning and repair									maintains itself
	produces human discomfort									provides human comfort
	uses fuel-powered circulation									uses human-powered circulation
	pollutes indoor air									creates pure indoor air
	is built of virgin materials									is built of recycled materials
	cannot be recycled									can be recycled
	serves as an icon for the apocalypse									serves as an icon for regeneration
the neighborhood	is a bad neighbor									is a good neighbor
	is ugly									is beautiful

negative score 2000 possible	positive score 2000 possible
-325	750
final score:	
425	

BUILDING REDESIGN

10



Community Gardens



Recycled Materials



Earth Tube Cooling

REDESIGN PERFORMANCE ANALYSIS

11



Regeneration-Based Checklist for Design and Construction © SB&B @ Tadoussac 1999

	Project:									
	degeneration			sustainability				regeneration		
	100 always	75 usually	50 sometimes	25 a bit	0 balances	25 a bit	50 sometimes	75 usually	100 always	
the site	pollutes air									cleans air
	pollutes water									cleans water
	wastes rainwater									stores rainwater
	consumes food									produces food
	destroys rich soil									creates rich soil
	dumpes wastes unused									consumes wastes
	destroys wildlife habitat									provides wildlife habitat
	imports energy									exports energy
	requires fuel-powered transportation									requires human-powered transportation
	intensifies local weather									moderates local weather
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	cannot be recycled									can be recycled
	serves as an icon for the apocalypse									serves as an icon for regeneration
the building	is a bad neighbor									is a good neighbor
	is ugly									is beautiful

negative score: 2000 possible **-200** positive score: 2000 possible **950**

final score: **750**

CONCLUSION

12



Dockside Greens development plan emphasizes the creation of a healthy and inclusive community that supports new economic opportunities and a high quality of life, with minimal impact to the environment, accomplishing true environmental sustainability.

-Dockside Green

