



# Overseas Insights – The good, the bad and the ?





## Governments

	US	AUS
Federal	1	1
State	50	8
County	3,034	
Municipal (city, town, village)	19,429	552
Township (in some states called Town)	16,504	
School District	13,506	
Special District (utility, fire, police, library, etc.)	35,052	unincorporated 12
TOTAL	87,576	564



# City of Burnaby BC

92 km<sup>2</sup>

Population 225,000

2011 Operating Budget \$356 million

2011 Capital Budget \$160 million



## Sustainable Sculpture





Flood Mitigation works –  
increase of 0.8m due to  
climate change 1 in 200 yr  
event







Waste to Energy  
Plant:  
\$97 per tonne  
280,000 tonne  
capacity  
25 MW turbine







Reclaimed land fill



Drainage swale





# City of Vancouver

Population 2.1 million





Streetscapes









Beach



Water Park







City of Vancouver  
Town Hall







Water Sensitive Urban Design Streets and swales







# City of Toronto

population 2,503,281

dwellings 1,040,597

area 630 square kms











SEATTLE





## Seattle streetscapes















1.7 million gallons  
Above and in ground







1.3 million gallon tank  
.9 million gallons above ground storage

Madison Valley Stormwater Project  
Reduce flooding and sewer back ups

Stage 1 and 2 total cost \$30 million

Comprehensive plan to separate sewer  
and stormwater

Claims 04 and 06 \$1.50 million  
Property and loss of life







Water sensitive  
Urban Design  
Initiatives





# High Point - sustainable housing estate

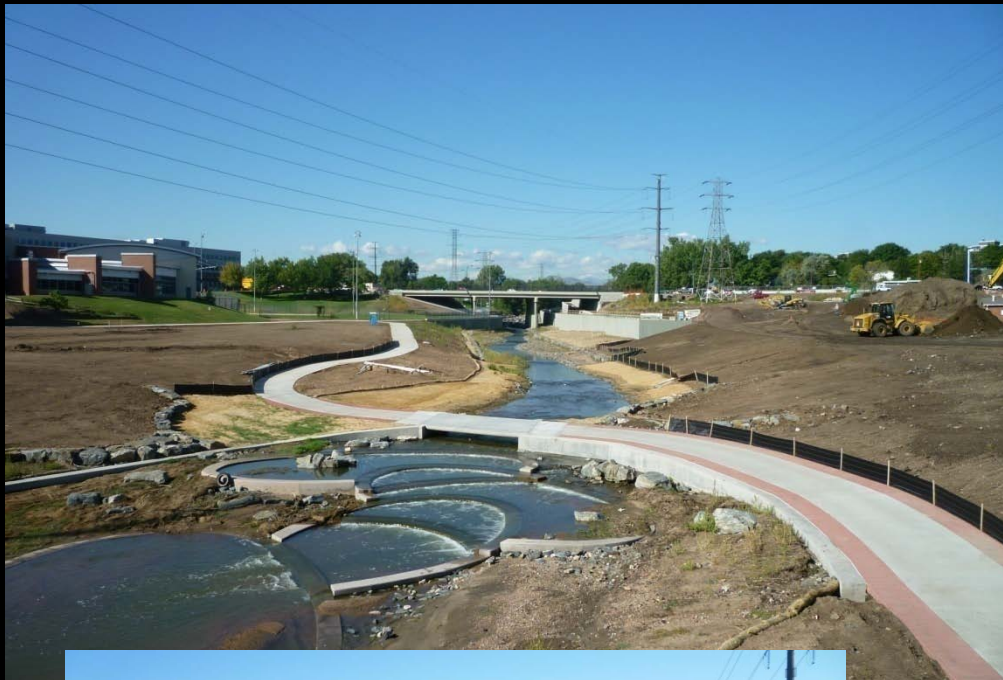




# DENVER

Population 600,000





Permeable Paving



Flood Management Works







Denver Botanic Gardens







Rain Garden – on top Botanic Gardens Car Park





Extensive Green Roof –  
Commercial Development  
Denver



Comparison to intensive Green  
Roof Toronto

