



WATERFRONTToronto

Clinton Climate Initiative Climate Positive Development Program

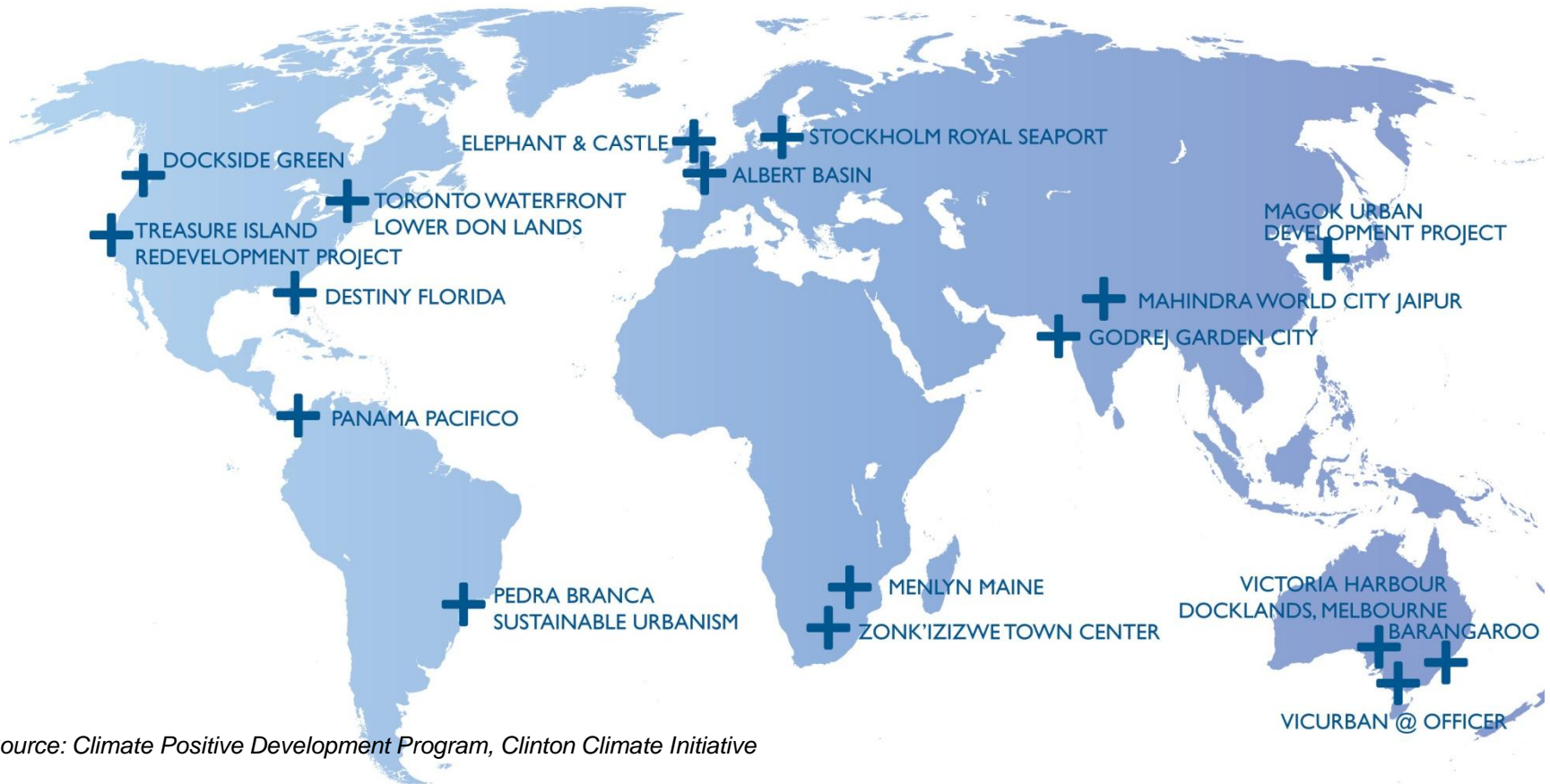
Climate Positive Development Program:

- CCI serves as the action arm of the C40, an association of large cities around the world that have pledged to accelerate their efforts to reduce greenhouse gas emissions (chaired by David Miller)
- A project of U.S. President Bill Clinton's Climate Initiative and the U.S. Green Building Council



17 Projects in 10 Countries

- The Lower Don Lands was selected as one of 17 founding projects for this global initiative to demonstrate a model for sustainable urban growth



Lower Don Lands Context



Climate Positive Development Program

- Seeks to reduce greenhouse gas emissions of projects to below zero through:
 - ❖ Higher performance net zero green buildings
 - ❖ Generation of clean energy
 - ❖ Zero waste communities
 - ❖ Water efficiency
 - ❖ Sustainable transportation strategies
 - ❖ Efficient land use
 - ❖ Advanced information systems

Climate Positive GHG Goals





Climate Positive Development Program

The program will:

- Provide a global standard for measuring success
- Document best practices
- Deliver direct project support
- Convene and catalyze partnerships



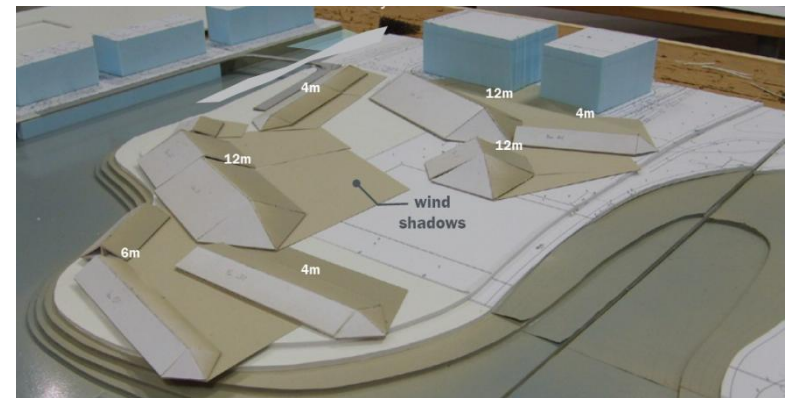
WT Climate Positive Objectives

- Advance Waterfront Toronto precinct success as part of an international showcase for carbon reduction achievements
- Work with the Province and the City of Toronto to advance sustainability to achieve climate positive goals first in the Pan Am village for West Don Lands
- Fulfill requirements of CCI program
- Funding support sought from Ontario Power Authority (OPA)

Lower Don Lands Planning Approvals

1. Lower Don Lands Planning Strategy

- ❖ Passive design
- ❖ Stormwater reuse
- ❖ Transportation network
- ✓ These strategies are protected through the Lower Don Lands Official Plan Amendment, Design Guidelines and Zoning By-law
- ✓ Implementation Timeline: 2008-2010





Implementation Approach

2. Climate + Carbon Modeling Tool

- ❖ WT has partnered with CCI to develop a universal tool, designed to waterfront parameters to test carbon impacts of options relative to the categories energy, buildings and land use, transportation, water and waste
- ❖ Fundamental to inventory and assess decision making for development
- ✓ Implementation Timeline: 2010

Waterfront Toronto Overall Workplan

3. Green Building Requirements and Energy Planning

- ❖ WT mandates green building requirements to achieve market transformation
 - ❖ Current requirement: LEED Gold, energy efficiency (40% better than MNECB), and sub-metering, waste, bike storage
 - ❖ To raise the bar towards climate positive, WT will advance current performance standards (emphasis will be on passive design) and energy objectives
- ✓ Implementation Timeline: 2010

Precinct Implementation

4. Neighbourhood Innovation Strategy

- ❖ Identify innovative materials and technologies focused on Water, Wastewater, Energy, Buildings/Land Use and Waste
 - ❖ Coordinate with City (Task Force) on prioritizing, assessing, and pursuing opportunities
 - ❖ Test innovations in Pan Am Village, West Don Lands
 - ❖ CCI support is being sought on soil management, district energy, lighting, modal splits and green building standards
- ✓ Implementation Timeline: 2010-2015

