Waterfront Toronto Carbon Tool

Waterfront Toronto is at the forefront of a global initiative to achieve sustainable urban development. Strategic to Waterfront Toronto's revitalization work is creating green, liveable and prosperous communities. The adoption of a Carbon Tool helps to fulfill this triple bottom line mandate by driving sustainability considerations into neighbourhood designs.

29%

reduction in carbon through sequestration

The West Don Lands was formerly home to a distillery, brickyards, and other industrial uses which severely contaminated the area, leaving it vacant for many years. By remediating the area and planting over a thousand trees in areas such as Don River Park, Waterfront Toronto anticipates that 29% more carbon will be captured and removed from the atmosphere than would be sequestered in a baseline community.

33%

reduction in waste to landfill

Waterfront Toronto has implemented a variety of waste management strategies such as ensuring that all kitchen suites have separated cabinet space for recyclables, organics, and waste; and by requiring that 50% of nonhazardous construction and demolition debris be diverted from landfill. This has resulted in a projected 33% reduction in waste to landfill over a baseline community.

4%

savings of carbon related to transport

By planning the West Don Lands as a mixed-use, walkable community with bicycle lanes, generous sidewalks, and ample bicycle parking, Waterfront Toronto projects a 4% decrease in carbon emissions associated with transportation.

49%

savings of carbon related to material use

By carefully selecting the materials used in the West Don Lands, Waterfront Toronto anticipates a 49% reduction in carbon related to material use over a baseline community. This includes materials that are local, salvaged, reused, recycled, or come from renewable sources.

25%

thermal energy savings

19%

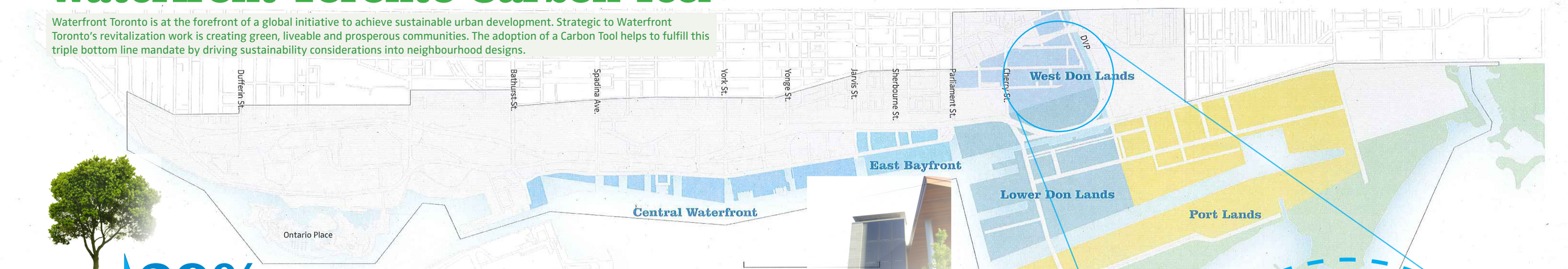
electrical energy savings

By incorporating active and passive energy strategies into the design of the West Don Lands, Waterfront Toronto projects a 25% reduction in energy use and 19% reduction in electrical energy use over a baseline community.

42%

potable water savings

By incorporating water saving initiatives such as installing low-flow fixtures and appliances, and harvesting rainwater, Waterfront Toronto projects a 42% reduction in potable water use over a baseline community.



West Don Lands

Early testing of the Carbon Tool was used on the West Don Lands precinct. The Carbon Tool outputs predict the following when comparing the approved plans for the West Don Lands to a baseline, build-as-usual scenario

Reduce your carbon footprint