

PROJECT SCOPE AND DETAILS

Extensive public consultation on the project was carried out in the spring of 2012 with 75% of respondents fully supportive of the proposal and design.

The three West End sites were carefully selected based on convenience for EV users and the need to provide effective ground level cellular coverage.

The designs chosen for the units will be integrated into the landscape and based on best aesthetics, balanced with operational requirements of the infrastructure. Efforts will be made to minimize the size of the units and situate them so they will be as unobtrusive as possible.

ELECTRIC VEHICLE + CELLULAR INFRASTRUCTURE IN ENGLISH BAY PARKS



There are two components to the design: a nine metre high monopole housing wireless antennae at the top, and a shelter housing electronic equipment and outlets for the EV station.

Each unit will be located immediately adjacent to EV designated parking stalls. Although electricity is free to EV users, vehicle operators will pay for parking while charging.

For more information:

vancouver.ca
or call 3-1-1

Brian Gregg
brian.gregg@telus.com
778-877-6581

BEACH & BUTE
Photo Simulation



BEACH & BIDWELL
Photo Simulation



COMBINING GREEN TRANSPORTATION AND WIRELESS TECHNOLOGIES TO BENEFIT THE COMMUNITY

The Vancouver Board of Parks and Recreation has approved the installation of integrated electric vehicle (EV) charging stations and cellular units in parking lots at three English Bay park locations along Beach Avenue: Broughton, Bute and Bidwell Streets.

This unique project, a partnership between the City of Vancouver and TELUS, provides electric vehicle charging stations at central locations and increases cellular phone capacity in the West End. This initiative supports the City of Vancouver's, the Park Board's and TELUS' long-standing commitments to sustainability and innovative business practices.

Combining the charging stations with cellular infrastructure provides a unique opportunity to efficiently fund the costly charging station set up. TELUS is fully funding the construction of and power to the new infrastructure at no cost to the taxpayer, and is also compensating the Park Board for this space, which will help support the betterment of parks and recreation throughout the city. The project sets a new standard for industry and government working together to provide a service to both businesses and residents at a lower cost overall.

BEACH & BROUGHTON
Photo Simulation



New EV charging stations will meet a growing demand.

- Three new EV stations are part of the City's strategy to support a lower emission vehicle option.
- The City's goal is to deliver an additional 64 charging stations by the end of 2013.
- Electric vehicles significantly reduce carbon pollution and improve local air quality.
- This project brings the City closer to its goal of being the Greenest City in the World by 2020, and supports the Park Board's strategic direction as a Leader in Greening.

The West End neighbourhood will enjoy an improved 4G LTE cellular network .

- Cellular bandwidth is currently at maximum capacity.
- Without more infrastructure the networks cannot support growing cellular phone use.
- There is a direct and immediate need to expand wireless service.
- Public safety will be enhanced by ensuring emergency call connection, especially during large public events.

CONSTRUCTION SCHEDULE

The three sites will be built simultaneously. Completion target for installation of the integrated EV charging and cellular stations is Spring 2013. Work will be performed Monday to Friday during regular business hours.