

SUBMISSIONS | VISIONS AND MASTER PLANS

Project Title

The Aureorean Landscape: achieving change through inspiration

Site

City of Toronto

Project Team

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- jellyfish inspirational medusa form bioluminescent glow
- existing pole within municipal infrastructure
- interior components
 - A. led flex strip lighting
 - B. XBee chip
 - C. circuit board
- Street Aurora: receives a colour directive from remote device
- Home Aurora: interprets individual energy usage rates from an existing Smart Meter
- exterior housing made of recycled pvc frosted resin
- waterproof solar cells concealed adapter

2009

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Aurorean Landscape is an urban intervention that communicates real-time energy consumption information to users at-a-glance, via a colour and light based indicator system. It is predicated on making the invisible (energy consumption rates) visible, as a mechanism for change.

Breaking Toronto into zones, Aurorean Landscape gives communities a way to understand their collective energy consumption. A complementary system for individual homes allows community members to gauge their personal consumption as it relates to the larger group.

Aurorean Landscape utilizes existing infrastructure and data collection systems. Street Auroras are wireless, solar-powered lights installed around city street lights and power poles, or hung from infrastructure such as bridges. The wireless Home Aurora can be installed in any location in the home.

The data driving the two types of Auroras (Street and Home) results from the Ontario Smart Meter system. The Aurorean Landscape averages energy consumption rates for each zone and, based on current parameters for sustainable energy consumption, dictates the colour of each zone's Street Auroras. Signage indicating the zone boundaries and meanings of Aurora colours would be placed at intersections around the perimeter of each zone.



2009