zerofootprint

Ron Dembo

Waterloo, let's change the story...

once upon a time there was a telephone...



fast forward





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the story has changed!

once upon a time...



and then nonsmokers took ownership of their air

the story has changed!

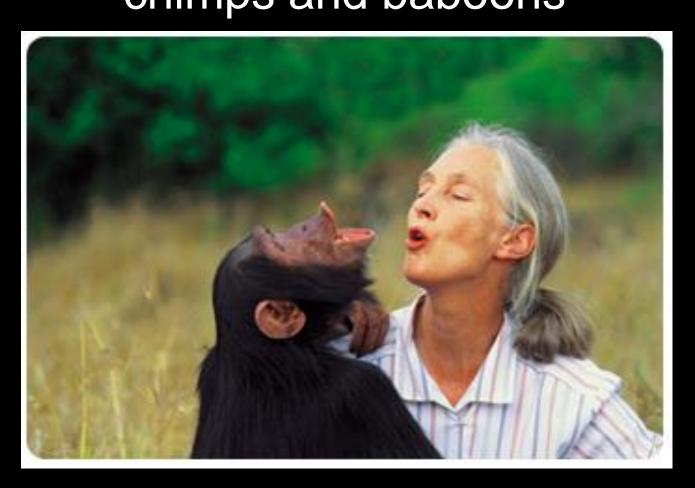
once upon a time we threw everything out

now we "own" our trash



the story has changed!

Jane Goodall chimps and baboons







we are baboons!

we invented waste

So... how do we change the story?

This is what we at zerofootprint are doing to change the story.

we believe engagement is an untapped resource

we engage individuals to change their behavior

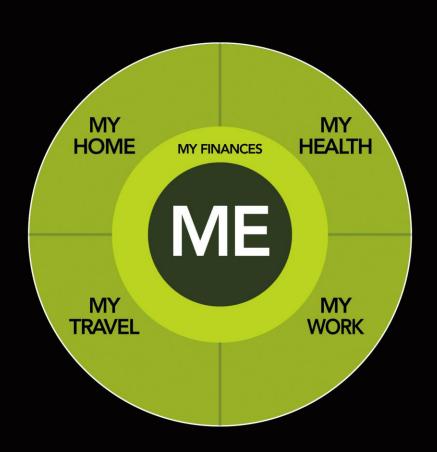
our customers are large organizations

why now?

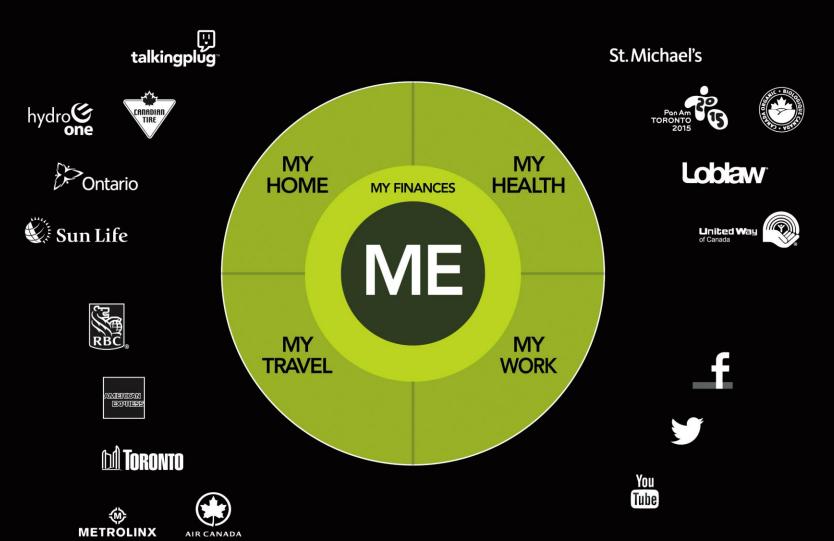
a perfect storm

the "internet of things", sustainability, big data

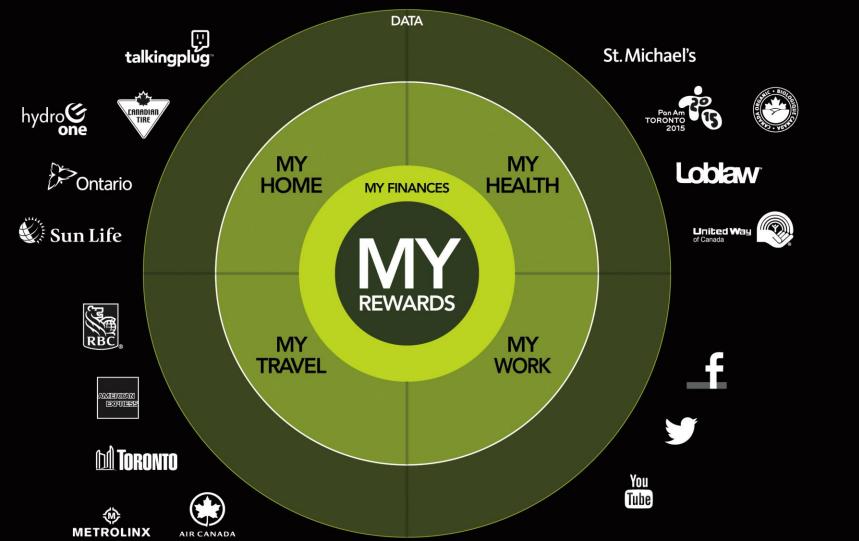
the measured self



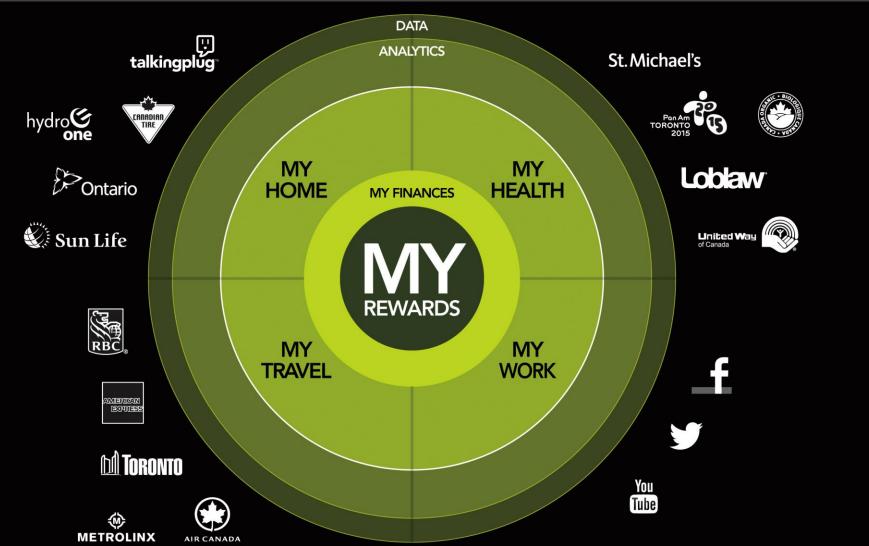
the brands they interact with



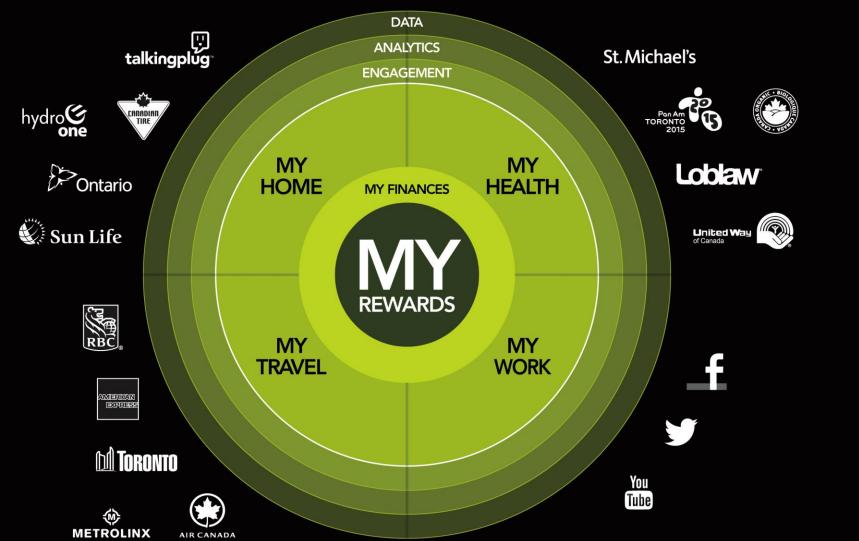
VELO Engagement Platform



VELO Engagement Platform



VELO Engagement Platform



zerofootprint®REVARDS

.. an evidence based rewards scheme that promotes socially beneficial behavior.

lifecycle of a Zerofootprint point

reward

issued

a socially beneficial

act occurs

reward redeemed

a socially beneficial

act occurs

the bottom line

When a point is issued and then redeemed the world has become more sustainable.

example: issuing

walking 30 minutes a day riding for the cure reducing energy usage using less paper volunteering ...

all evidence-based

example: redemption

energy efficiency retrofits donating points to charity carbon-neutral flights etc.

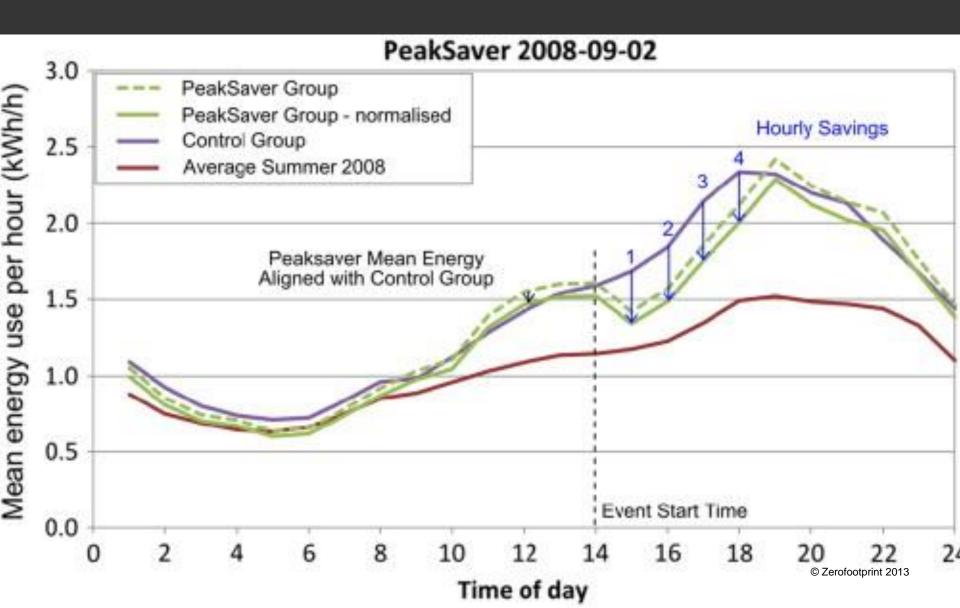
all evidence-based

case study 1

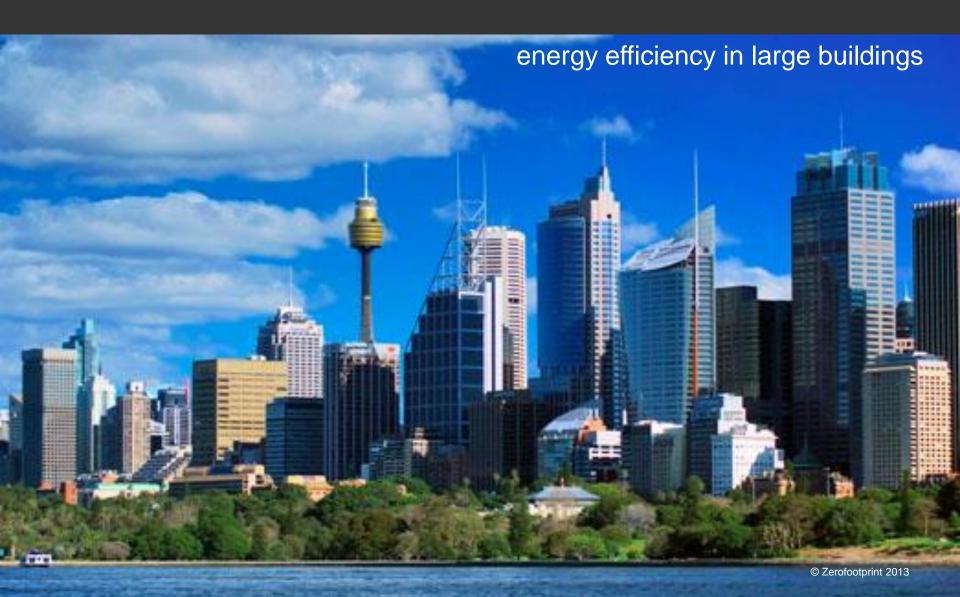


case study 2









Winner best project category Canadian Clean 50 Awards 2013

OXFORD zerofootprint

nototeseemiototehendidings





helplogrundelerstadelerergy









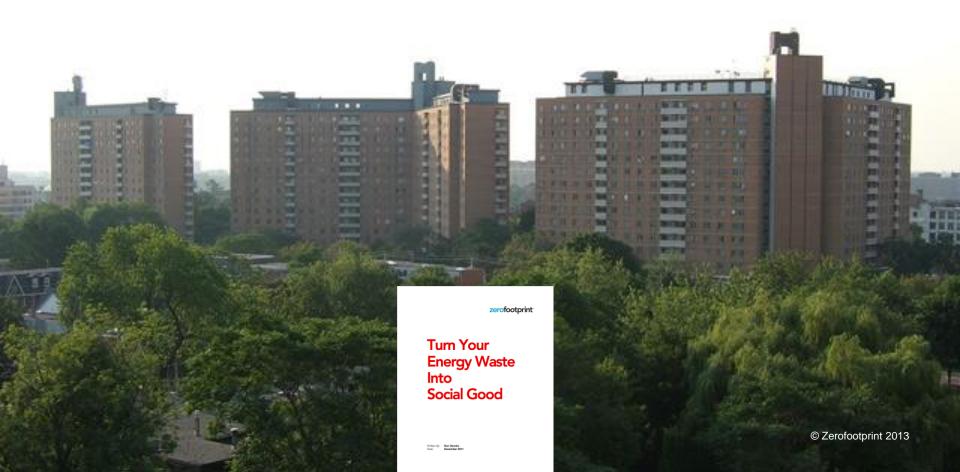


ANATION //
ANATION //
IN RED OF
RELAB

AMERICA'S BIGGEST PUBLIC
HEALTH CRISIS RESULTS FROM OUR
ADDICTION TO THE SWEET STUFF



TCHC:Turn waste into social good



turn waste into social good

children/schools are rewarded for energy saved in parent's home

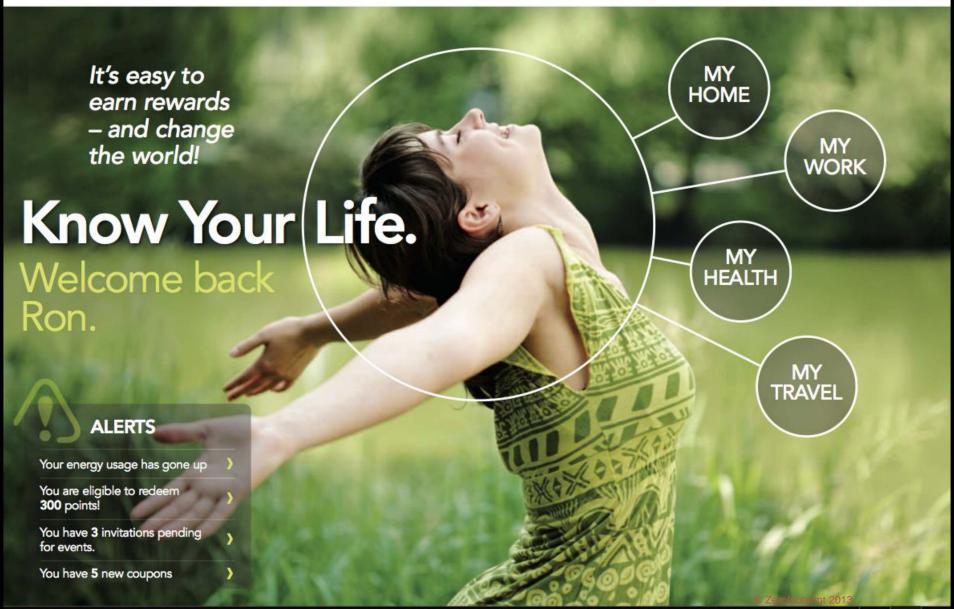




a single currency for social good (sustainability)

My Home My Work My Health My Travel

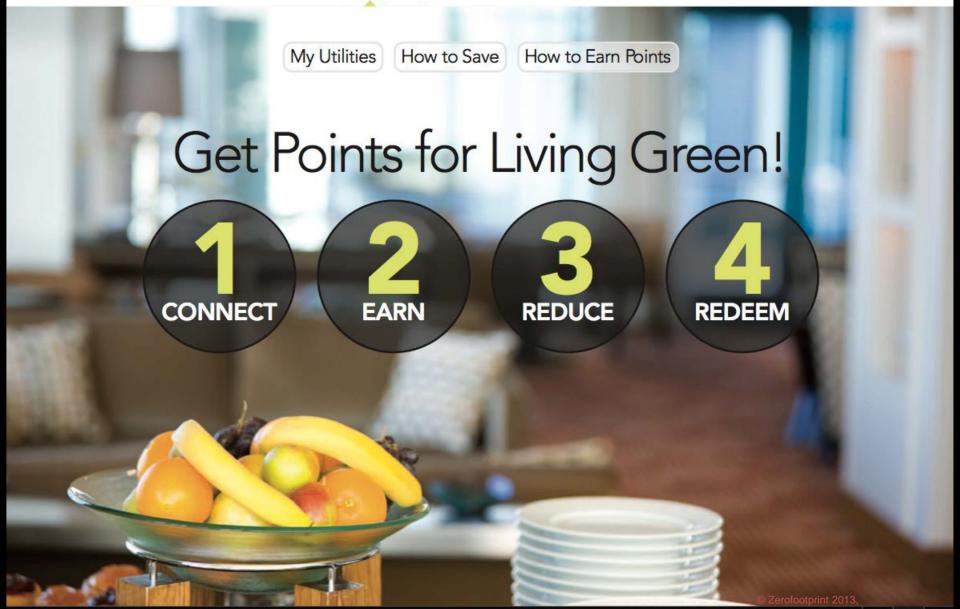
Get Rewards



My Home

My Work My Health My Travel

Get Rewards



My Points My Home

My Work My Health My Travel

Get Rewards



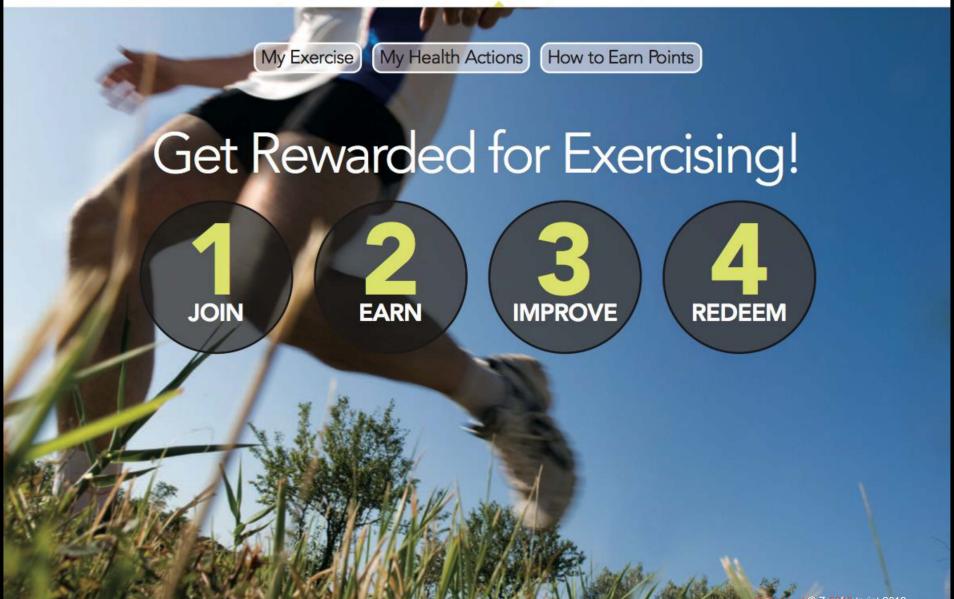


My Points My Home

My Work

My Health My Travel

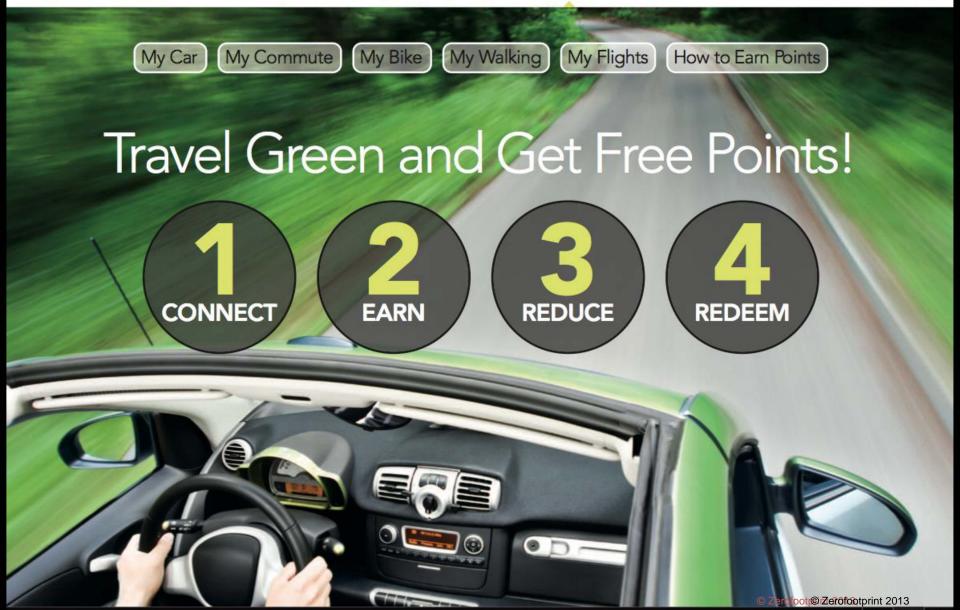
Get Rewards



My Home

My Work My Health My Travel

Get Rewards



You are Enrolled in these Campaigns



Walk 30 minutes a day

HEALTH Type: Progress: 10%

IN PROGRESS Status:

TIME REMAINING:





Bike to work for a month

REDUCTION Type:

Progress: 8%

IN PROGRESS Status:

TIME REMAINING:





Home Weatherization

REDUCTION Type:

Progress: 26%

Status: IN PROGRESS

TIME REMAINING:



My Home

My Work My Health My Travel

Get Rewards

MY POINTS **205 378**

Your Personalized Points Offer



Join the CIBC Run for the Cure's virtual run

Join & earn points! Sign up for the Canadian Breast Cancer Foundation CIBC Run for the Cure's virtual run and help make a significant impact to reduce the burden of breast cancer through research, education and awareness.

EARN 100 POINTS



Join Enbridge's Home Weatherization Program

The Home Weatherization Program is designed to make your home more energy-efficient and reduce your energy bills at no cost to you. Participation is entirely voluntary and free of charge. Participate now and get 100 points.

EARN 100 POINTS



"Walk 30 minutes a day" with Nike+ SportBand

Be a part of the "Walk 30 minutes a day program" and track your pace, distance, time and calories burned using the Nike+ SportBand. Get fit and earn points at the same time!

EARN 2000 POINTS



Join the Blood Pressure Makeover Action Plan

The Heart & Stroke Foundations' 6-Week Blood Pressure Makeover will teach you how to make small changes to your daily routine to help you manage your high blood pressure more effectively. You will eam 50 points when you join.

EARN 50 POINTS













My Home My Work My Health My Travel Get Rewards

MY POINTS **205 378**

My Utilities

How to Earn Points

MONTHLY ~ (SEPTEM	BER OCTOBER	Total 1706.58 kWh	Compared to 2012 Potential Savings \$165/yr
MONTHLY UTILITY BILL			
	Electricity	Natural Gas	Water
SPEND	\$97	\$253	\$64
TREND	21	21	7
RANK relative to peers	worst 1/3	best 1/3	average 1/3
Per month you could SAVE	\$62	\$83	\$17









My Home

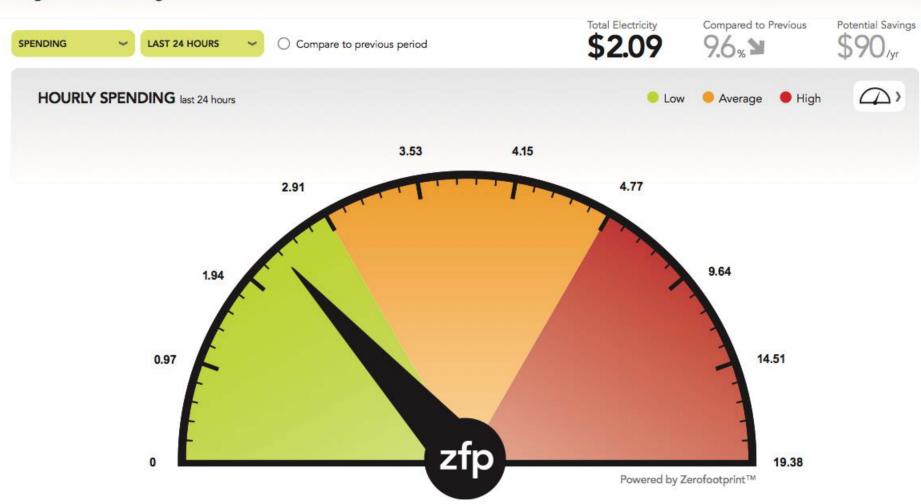
My Work My Health My Travel

Get Rewards

MY POINTS 205 378

My Electricity

How to Earn Points





zerofootprint® REWARDS

My Points

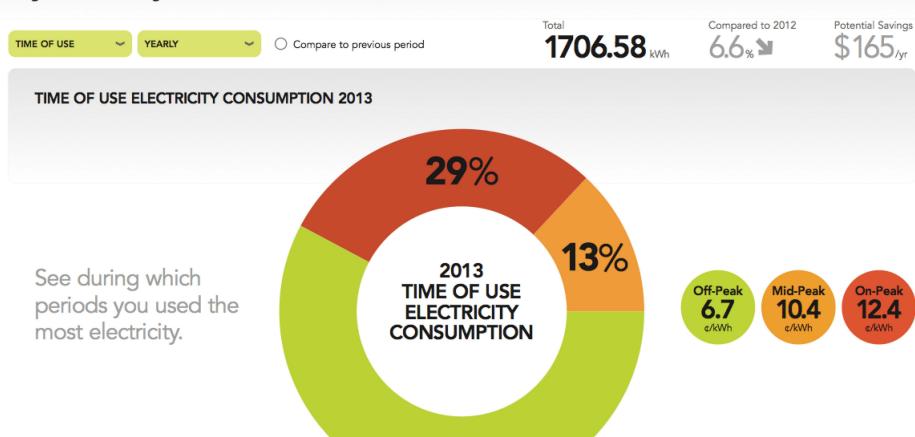
My Home

My Work My Health My Travel Get Rewards

MY POINTS **205 378**

My Electricity

How to Earn Points



58%

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My Points My Home My Work My Health My Travel Get Rewards

MY POINTS **205 378**

CIBC Virtual Run









OVERALL CAMPAIGN PROGRESS

MY ACTUAL



TARGET



67% COMPLETE



TIME REMAINING:



© Zerofootprint 2013



My Points My Home My Work My Health My Travel

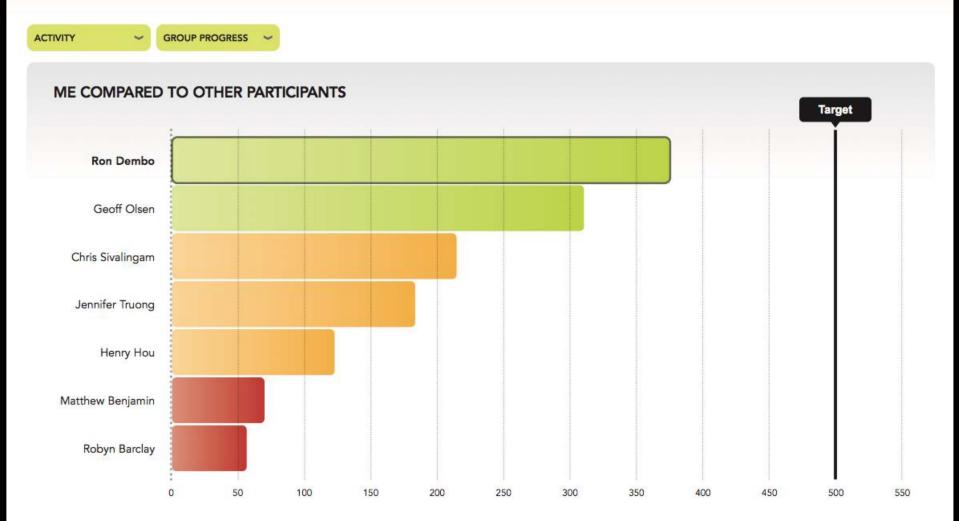
Get Rewards

MY POINTS 205 378

CIBC Virtual Run











zerofootprint® REWARDS

My Points My Home

My Work My Health My Travel

Get Rewards

MY POINTS **205 378**

Walk 30 Minutes a Day













total minutes walked



TIME REMAINING:

TARGET

minutes walked per day





10% COMPLETE

engagement and resilience

resilience is the ability to recover readily from adversity

climate change



volatility

resilience

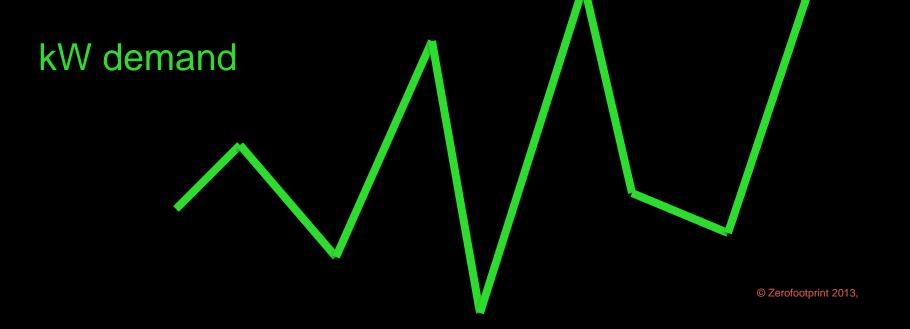


hedging volatility

hot days in Toronto will treble by 2030

yet we build today for yesterday's climate!

electricity demand will have higher and higher peaks

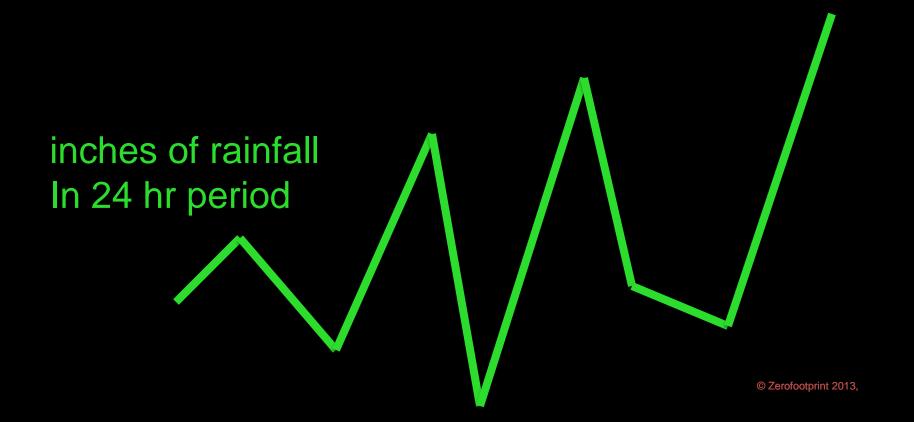


10% of peak



40% of cost

weather will become more extreme

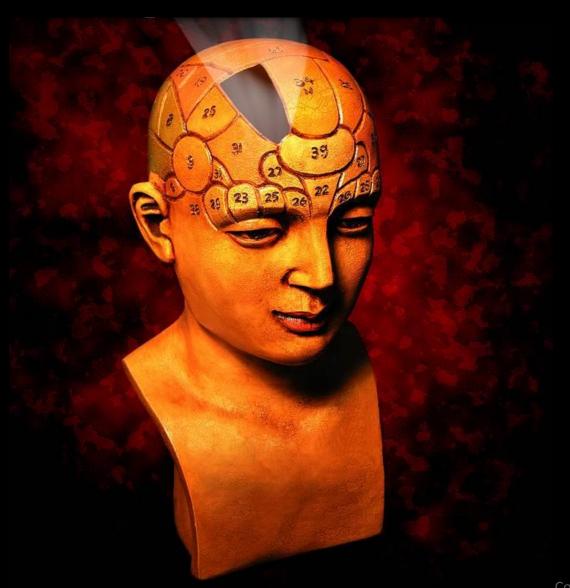


peak rainfall can have a huge cost



infrastructure + behavior

influencing behavior



here is how not to influence behavior

eeo eeo@toronto.ca via zerofootprint.net



to Better 🖃

Please find attached a Thank You Note from City Manager, Joe Pennachetti and a request for further conservation efforts from Toronto Hydro.

Energy Efficiency Office City of Toronto 55 John Street, 2nd Floor, Room 209

Toronto, ON M5V 3C6 Phone: 416-392-1110 Fax: 416-392-1456

E-mail: eeo@toronto.ca

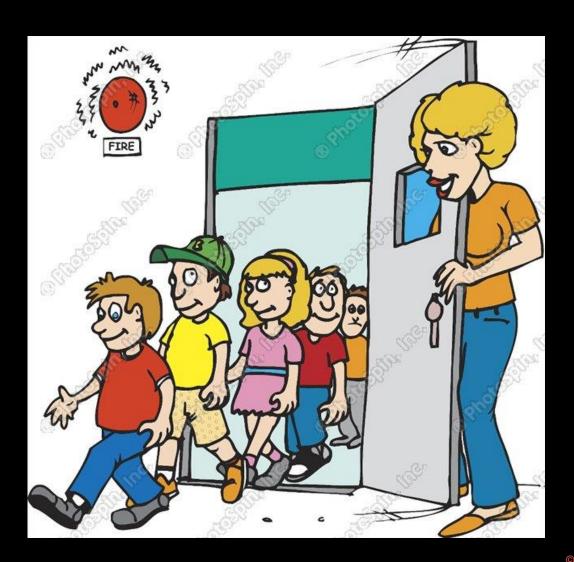
Website: www.toronto.ca/energy

2 attachments — Download all attachments

TH Key Account Update #4.pdf 256K View Download

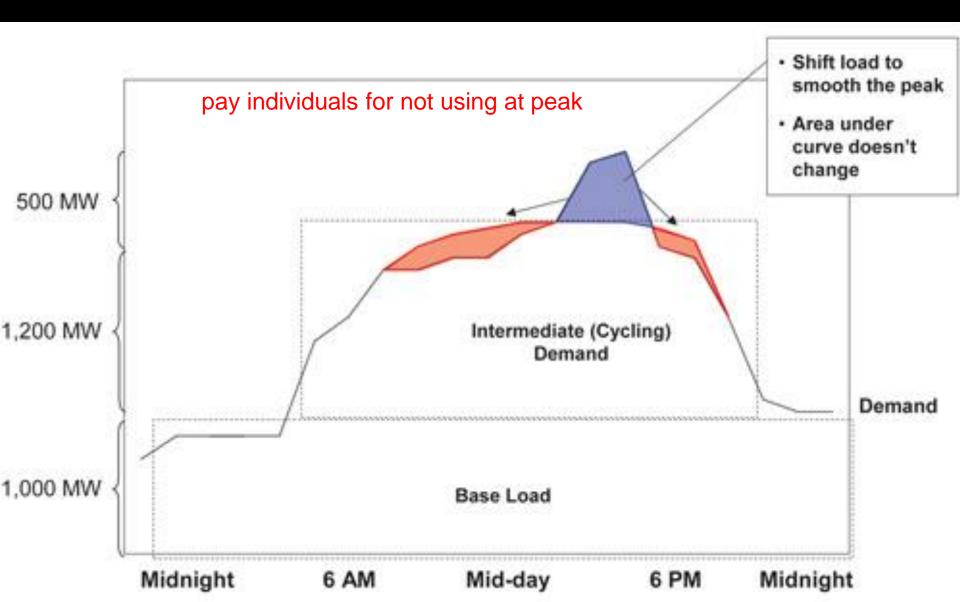
Thank you note_Severe Storm and Flooding_July 10 2013.pdf 46K View Download

we need "fire" drills



what to do in case of a peak load problem

shifting peak load problem

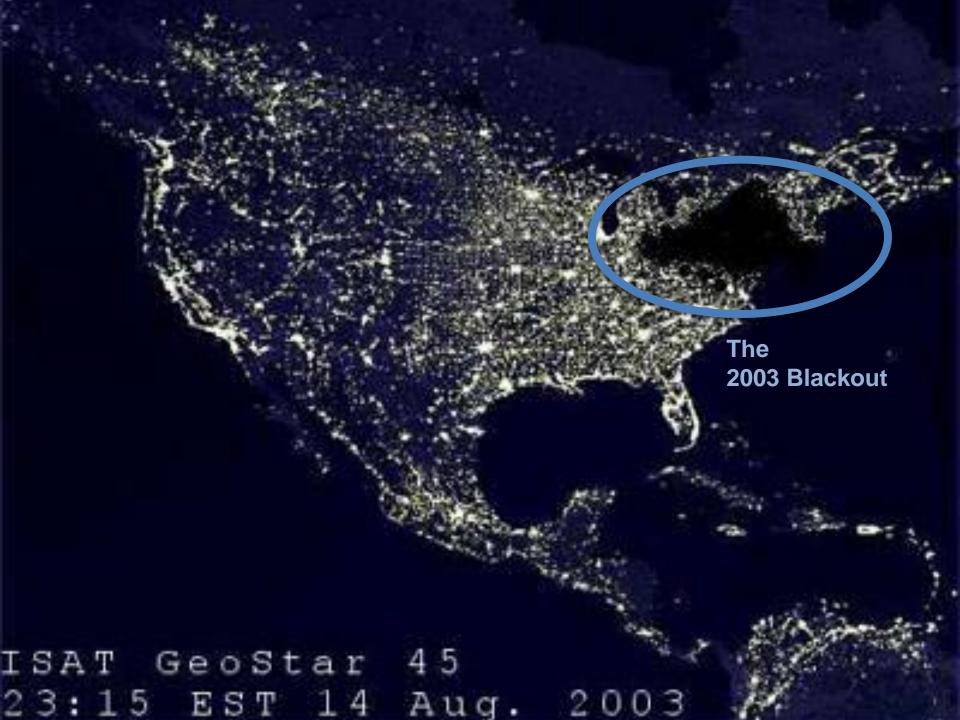


what to do in case of a storm surge

what to do in case of an electrical outage

etc.

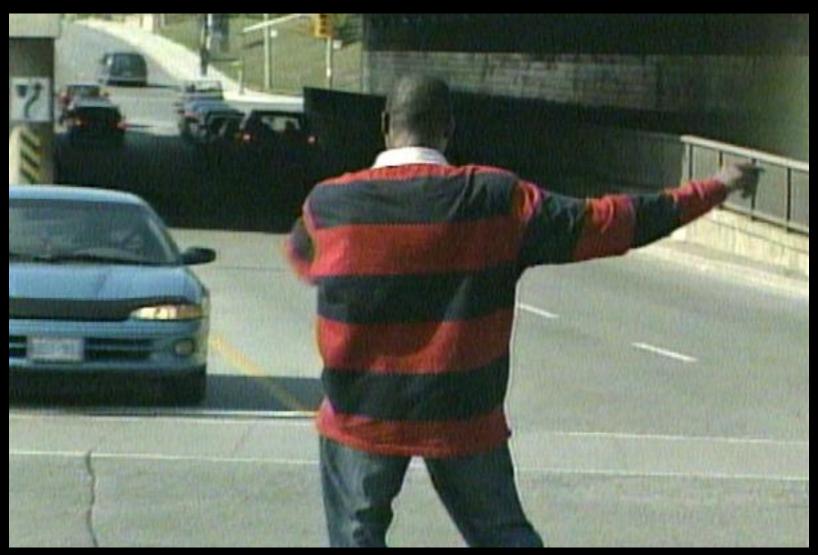
the social side of resilience



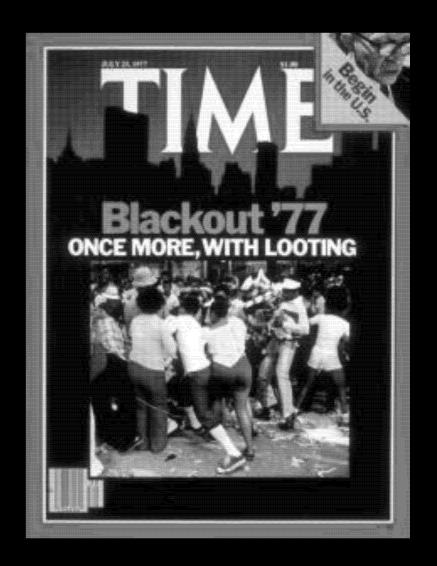




engaged citizen



1977 BLACKOUT







people in NY helped each other in 2003

Flooding

Calgary 2013 vs New Orleans 2005



After Katrina, New Orleans Cops Were Told They Could Shoot Looters



Alex Brandon/Th © Zerofootprint 2013,9

New Orleans Police Lt. Dwayne Scheuermann aims his gun on the Claiborne Overpass in New Orleans on

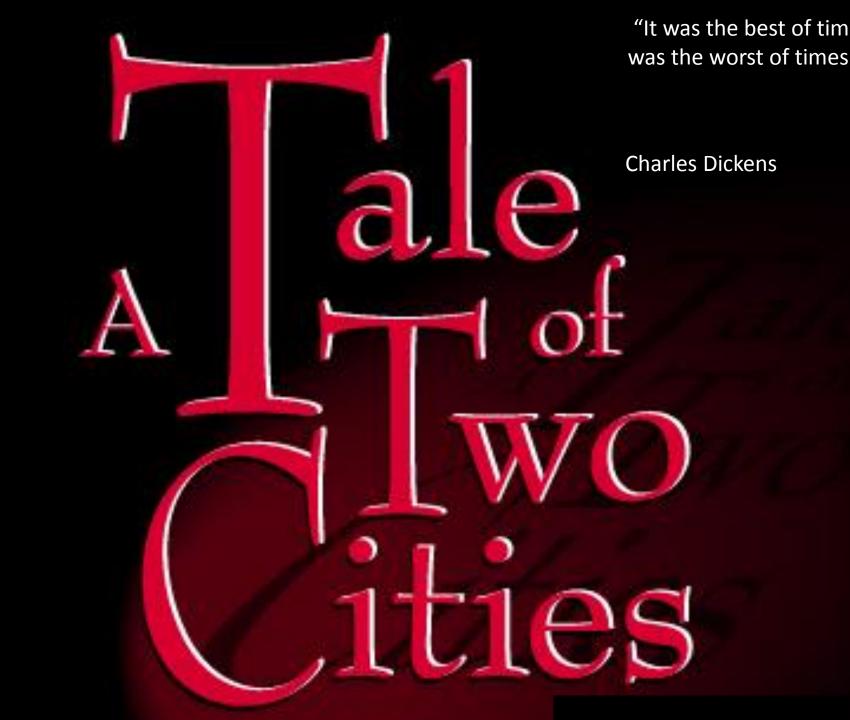




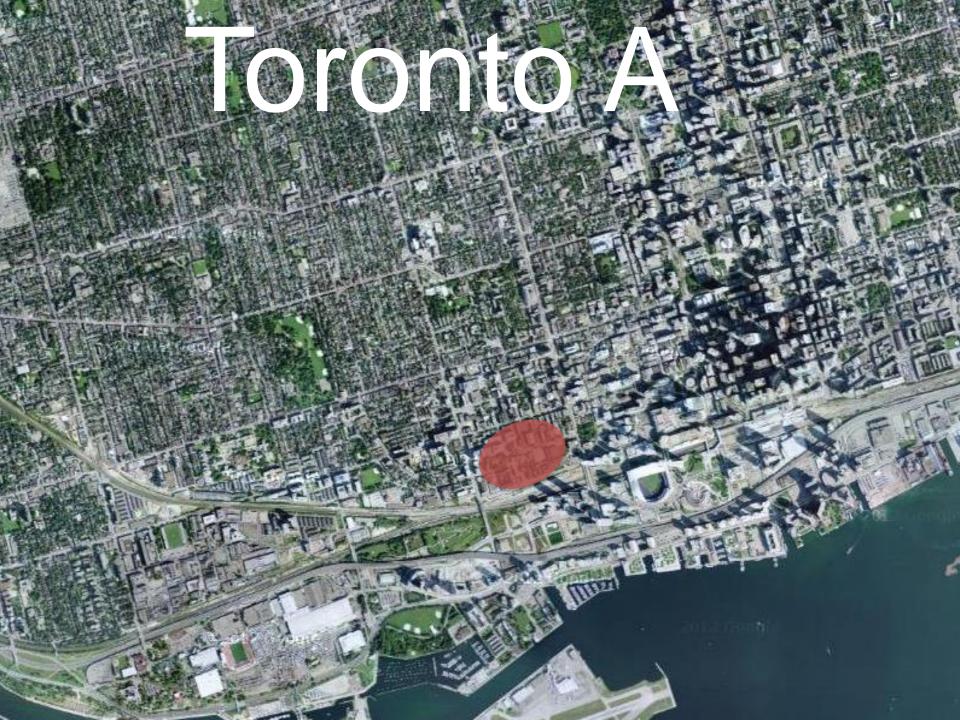


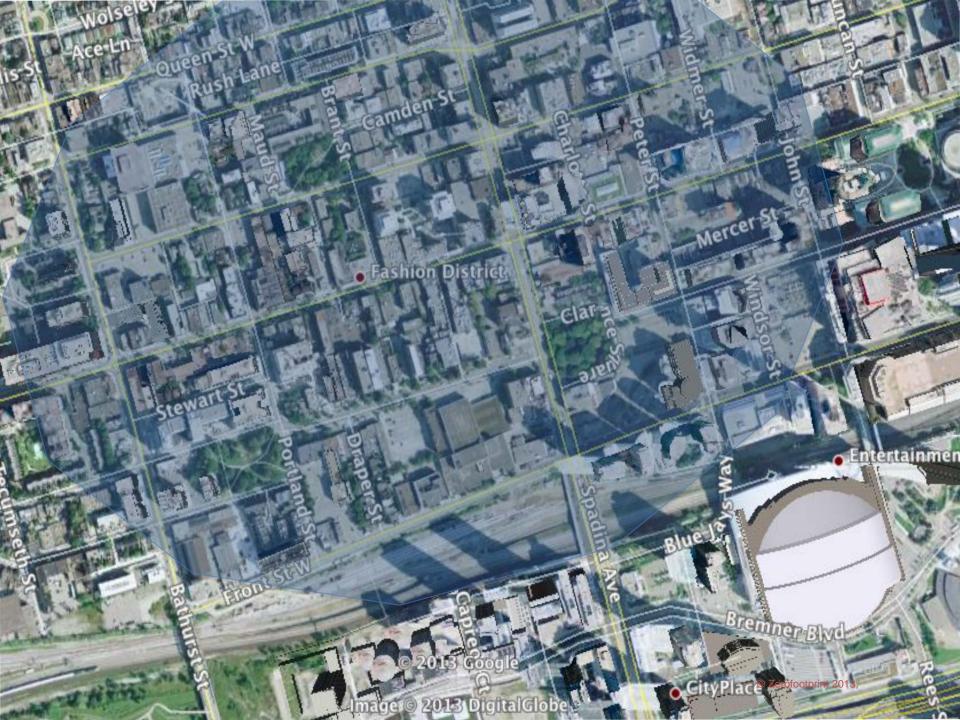


cities with an engaged population are more resilient



Sustainabl Resilient Human Innovative









Zerofootprint

Bruce Mau Design Urban Strategies







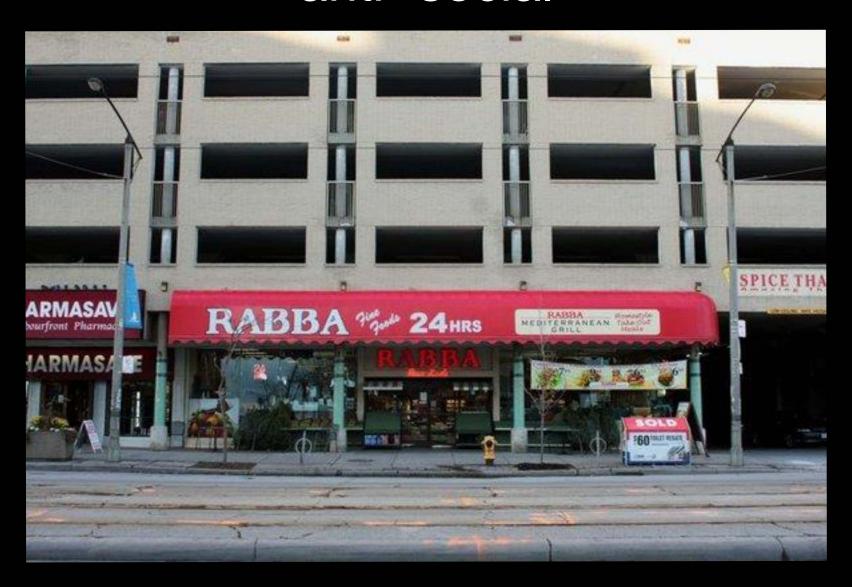


NOT Sustainable NOT Resilient Inhuman NOT Innovative





anti- social



zerofootprint

We sell engagement.

The people who use our software make a difference!

www.zerofootprint.net