

























..... people do"







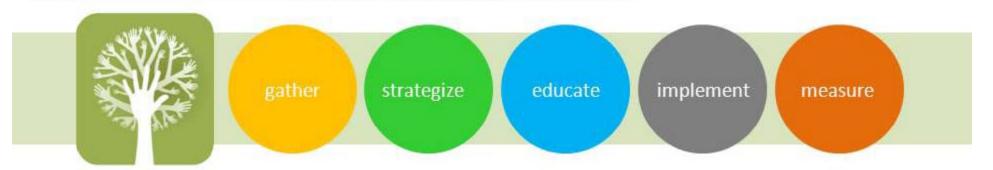








HOK's Occupant Engagement Program





occupant actions
education
empowerment
communication
behaviors
alignment of goals
tools
consciousness
practices







Community-based social marketing

often most effective • community level • direct contact

VS

Conventional Social marketing

public awareness • limited in ability change behaviour







Community Based Social Marketing Tools

social norms guide behavior

commitments are an obligation to fulfillment

prompts are an aid that reminds to carry out an activity

communications persuade the adoption of changes in activities

incentives motivate a more effective fulfillment of an action

barriers ensures effectiveness of other tools

source | adapted from "Fostering Sustainable Behavior" by Doug McKenzie-Mohr & William Smith







TORONTO DOMINION CENTRE







Toronto-Dominion Centre - A Case Study







- Toronto, Ontario in the heart of Canada's financial district
- designed by Mies van der Rohe and constructed 1967 – 1969
- Commercial Office complex consisting of 6 towers
- 90 Tenant companies Financial, Legal & Investment Firms
- 21,000 building occupants

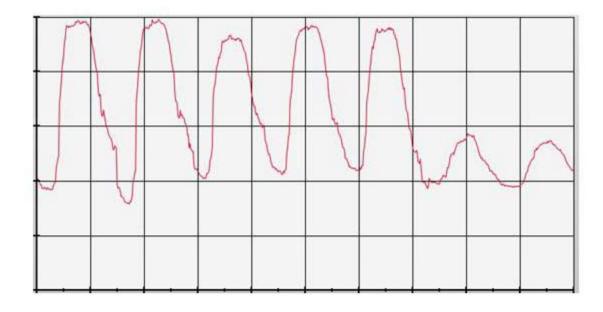








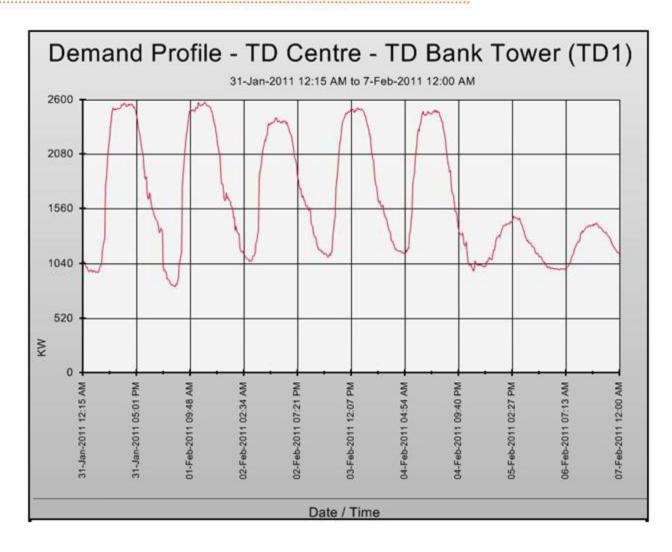
Visualizing Information







TDC - Energy Demand Profile

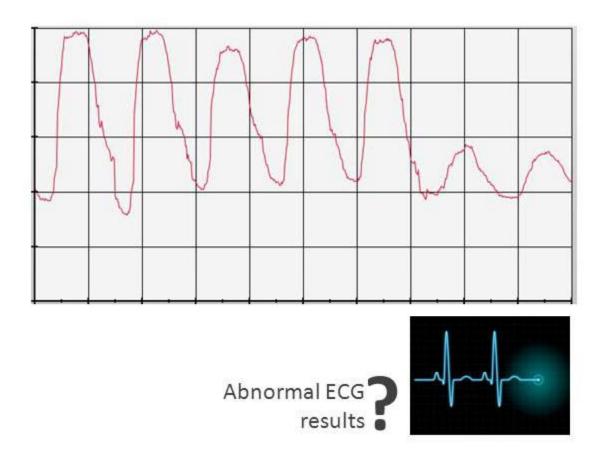








Visualizing Information?

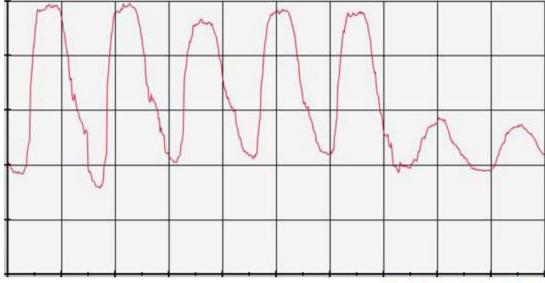








Visualizing Information?



Bad day at the stock market

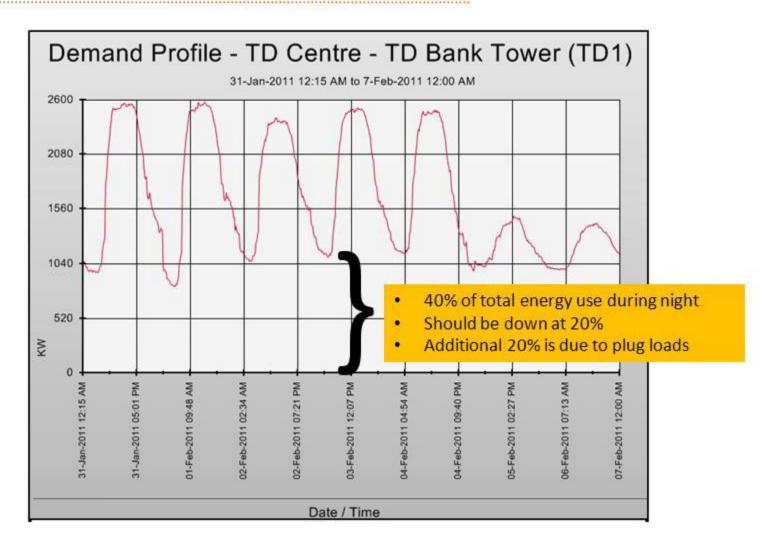








TDC - Energy Demand Profile









TORONTO DOMINION CENTRE









gather







TDC Awareness & Education Survey





	onse	#afrespundents	To all resignations
plastic spoons & forks		69	14%
rubber bands		33	7%
plastic take-out containers		25	5%
only correct answer	magazines & flyers	482	96%
	tissue	138	27%
	none of these	10	2%







TDC Sustainable Initiatives Report









TDC Green Council









strategize







TDC Green Council Mission



mission

to act as "the catalyst for change to sustainable green practices and green consciousness" at TD Centre working towards a vision for a future that is "reliable, responsive and environmentally sustainable everyday"









objectives

foundational element in developing & driving engagement program

oversight for all "green" program initiatives

conduit to and representative for larger tenant body

develop & support engagement events

identify educational content needs

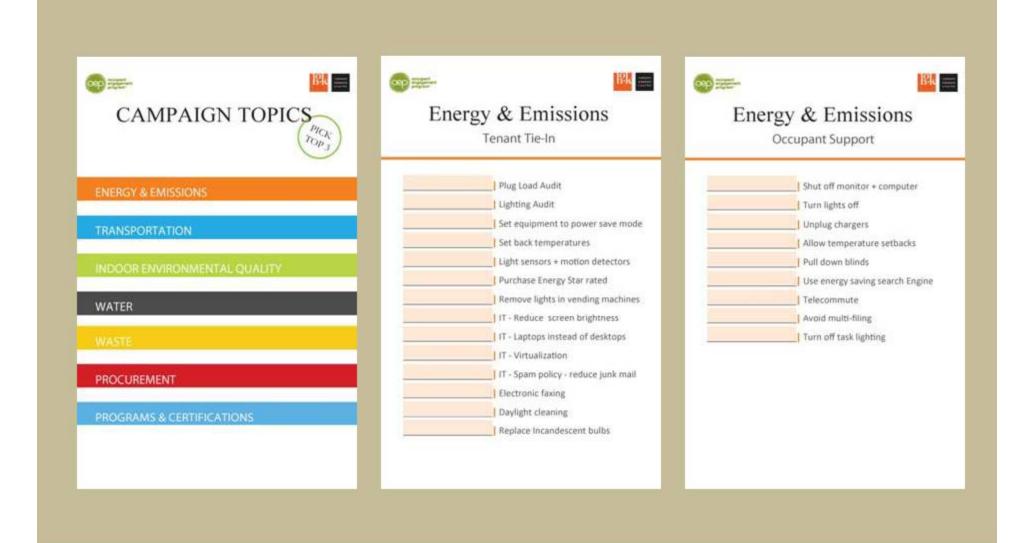
alignment with tenant objectives







TDC Green Council Campaigns









TDC Green Council Campaigns















educate







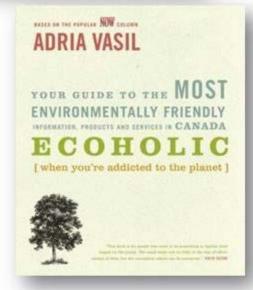
TDC Green Council Materials











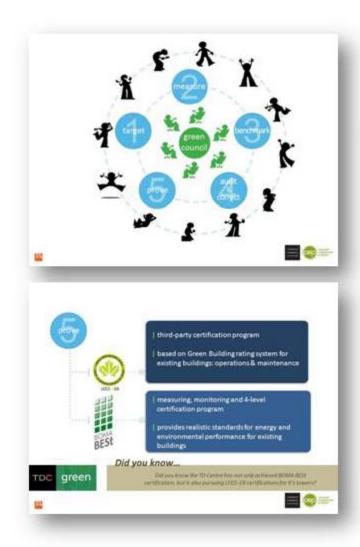








TDC Green Council Materials













TD Bank

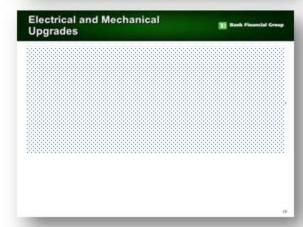
AGF

Ernst & Young



















implement







Awareness Campaign

July 2010 - October 2010













Energy Campaign

December 2010 - April 2011









TDC Energy Campaign

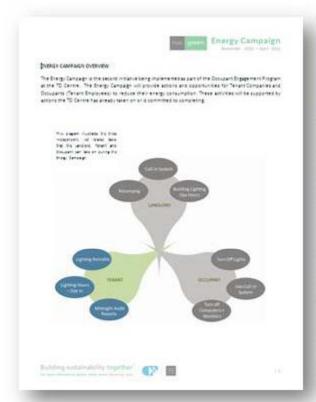








TDC Energy Campaign - Overview







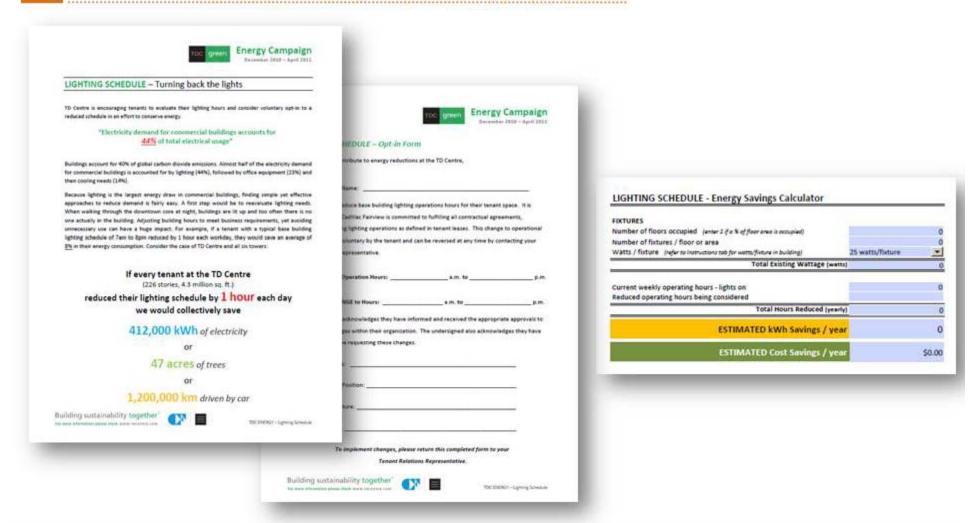






1,200,000

TDC Energy Campaign - Building Lighting Op Hours



ACTION | Opt in to reduced building lighting hours

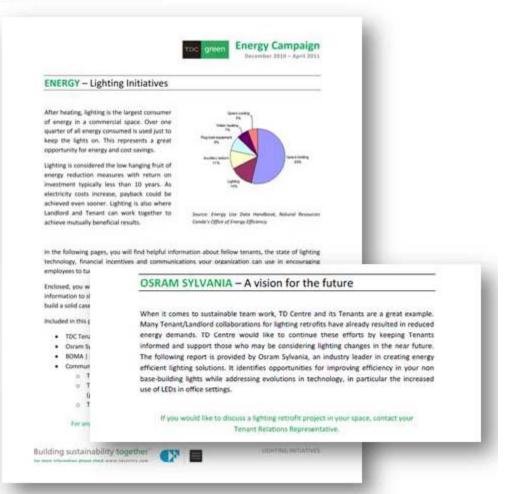






TDC Energy Campaign - Lighting Retrofits





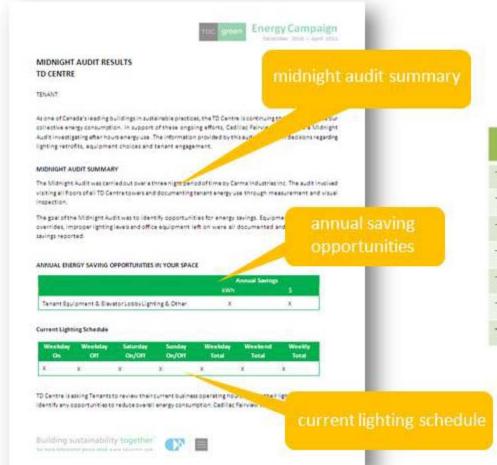
ACTION | Plan for high efficiency lighting upgrades of non-base building lighting







TDC Energy Campaign - Midnight Audit Reports



	LIGHTS NOT CONTROLLED (kWh)	TENANT EQUIPMENT (kWh)
Tower 1	64,681	472,383
Tower 2	14,636	223,852
Tower 3	20,850	135,990
Tower 4		396,344
Tower 5	20,941	70,910
Tower 6		449,904
TOTAL	121,108	1,749,383

ACTION | Review audit results and take action







TDC Energy Campaign - Electronic Mystery Audit



ELECTRONICS MYSTERY AUDIT

We're building sustainability together" at the TD Centre and you're invited!

You've heard about all the great initiatives already underway as part of the Energy Campaign and its focus on reducing energy comumption. Now you and your organization have the opportunity to become directly involved.

Enclosed is all you will need to organize your own Electronics Mystery Audit. This is not only a way to identify opportunities for energy savings within your own organization, but it is also a great way to engage employees that are eager to make a difference. You can also win an IPad by doing your part to help conserve energy at the TD Centrel Just be sure to get all eligible ballots in and audits complete before April 50, 2011.

Bring awareness to the sources of energy use and engage building occupants to complete simple tasks. that contribute to energy use reduction.

What's NEXT?

- Review this package. If you have any questions, please contact your Tenant Relations Representative for clarifications before creating and meeting with your Audit Tiger Team.
- ☐ Identify areas/floors/departments in your organization where an Electronics Mystery Audit would be beneficial.
- Communicate the Electronics Mystery Audit to your organization's leadership for their awareness and support.
- Create an Audit Tiger Team made up of employees looking to be engaged. They will need to volunteer their time. To successfully complete this audit please allow for two separate evenings. Some additional time may be required for tabulation. (Allow 1 hour per floor per/person for the
- Meet with your Audit Tiger Team to provide an overview of the TD Centre's Energy Campaign and details of the Electronics Mystery Audit.
- □ Schedule dates for your initial benchmarking audit as well as a follow-up audit. A comparison of the two audit results will show any reductions. Dates should be set within TD Centre's Energy Campaign, which runs December 1, 2010 - April 30, 2011. Please note, that this package can be utilized at any time however, in order to be eligible for the draw all audits must be complete and submitted on April 30, 2011.
- Order printed material as described below from your tenant relations representative.
- Conduct audit.

Building sustainability together





TOC DRENGY - Discreptor Motors Auth



Tools for success

T1 | Electronics Mystery Audit Instructions

Please note, for accurate results, no notice should be given to employees.

Pre-Audit

- Identify areas in your organization where an Electronics Mystery Audit would be beneficial. These could be a department, a floor or your entire organization.
- Develop a Tiger Team of volunteers. Hold a meeting with the volunteers and discuss details of the audit and gather input. Do not provide audit details prior to the first meeting to ensure the audit is a surprise to the majority of your employees.

C2 | Sample Script for communications to your organization's leadership

Please use and adapt the below text for communications to your leadership.

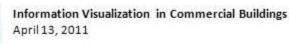
As part of the Energy Campaign being implemented by Cadilloc Fairview at the TD Centre, all Tenants are being provided with tools to investigate aspects of our own energy use. The Energy Campaign is an extensive program of events, messaging and Tenant participation that will support the reduction of energy use at TD Centre. It runs from December 1, 2010 to April 30, 2011.

The tools provided support an electronics audit to be carried out at the end of a regular work day. A small aroun of amalayaa yolyataass will count the number of computaes, monitaes an

ACTION | Conduct an Electronics Mystery Audit









TDC Energy Campaign – Electronic Mystery Audit









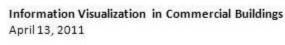




ACTION | Conduct an Electronics Mystery Audit

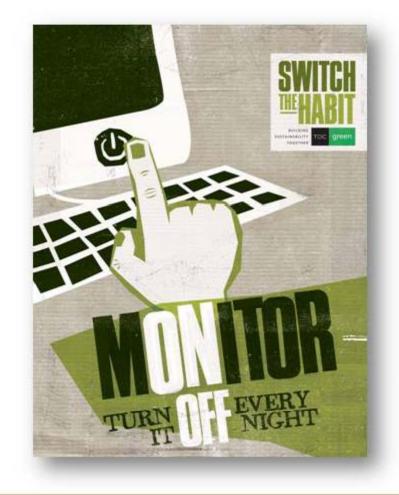








TDC Energy Campaign – Behavior – Turn Off Your Monitor





ACTION | Turn Off Your Monitor







TDC Energy Campaign – Behavior – Call Off the Lights





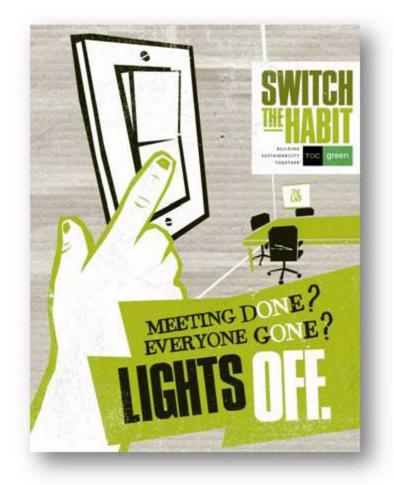
ACTION | Use the Call-In System to Turn Off the Lights







TDC Energy Campaign - Behavior - Turn Off the Lights





ACTION | Turn Off the Lights when Leaving a Room







TDC Energy Campaign – Communications















Waste Campaign

June 2011 - October 2011



zero-landfill

VS.

zero-waste

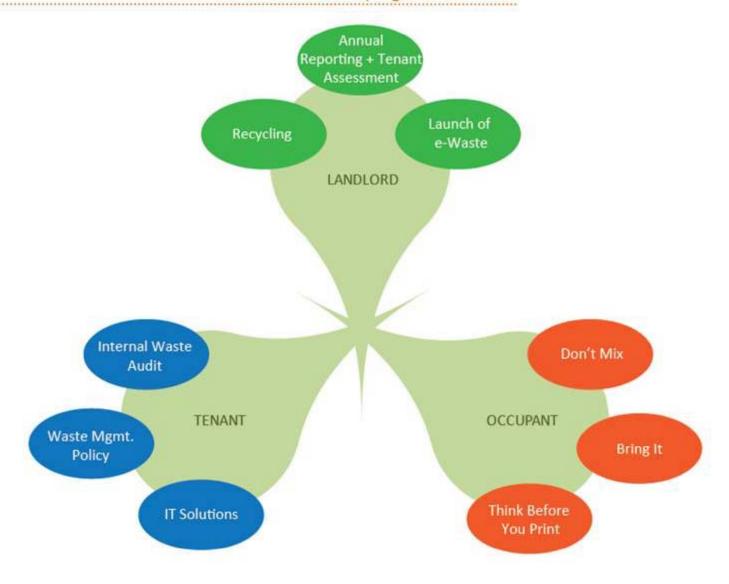








TDC Waste Campaign – Overview









TDC Waste Campaign - Why?



		# of respondents	% of respondents
plastic spoons & forks		69	14%
rubber bands		33	796
plastic take-out containers		25	5%
only correct answer	magazines & flyers	482	96%
	tissue	138	27%
	none of these	10	2%







measure







TDC Energy Campaign - Measurement



OVERALL | complex wide energy use pre & post campaigns; normalized for time of year and system upgrades/operational changes

RELAMPING | energy reductions achieved with property wide relamping; expressed bi-annually

LIGHTING HOUR OPT IN | company + building + property wide energy reductions achieved with lighting hour schedule changes

CALL-IN SYSTEM | % of system use increase

MIDNIGHT AUDIT REPORTS | addressing energy use items noted in reports—
dependent on tenant feedback

LIGHTING RETROFITS | energy reductions achieved with non-base building lighting retrofits – dependent on tenant feedback

ELECTRONICS MYSTERY AUDIT | energy reductions realized between audit 1 and 2 – dependent on tenant participation & feedback







TDC Online Portal













Feedback Tools









Tenant Engagement



partnerships between LANDLORD + TENANT

Tenants are:

- engaged in participation beyond meetings
- sharing their business case
- acting as advocates
- reaching out to each other
- inspired to green their own spaces
- putting themselves forward to pilot programs energy, waste, daytime cleaning
- targeted communications to CxO for ongoing support











"I want you to know that you are impacting change at AGF and we are reaping the financial and green rewards. As they say, the teacher will come when the student is ready. We are learning a lot and even better, have been able to apply it."

Nicole Popovich Vice President, Institutional Development









Barbara Ciesla

HOK | Vice President

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P| 416.342.7258





