Pulse
IBM SolutionsConnect 2013

Intelligent Operations for Smarter Physical Infrastructure

IBM Smarter Cities Software Team

13/6/2013

IBM

IBM Smarter Cities

- **Video – IBM Smarter Cities**
  - http://www.youtube.com/watch?v=TULPgblz-UA

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IBM SolutionsConnect 2013

City of Dubuque
real-time monitoring achieves **6.6%** decrease in water consumption over 9-week period

Metropolitan Police (UK) utilized
social network analysis to dismantle an organized crime group, making over **140 arrests** with 70% conviction rate

Analyzing data to perform proactive maintenance, **DC Water & Sewer Authority** achieves ROI of **629%** in 2 months

WorkCover SA
achieves, no touch, end to end processing for more than **20,000** claims annually
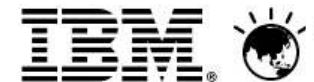
Singapore Land Transport Authority
can forecast traffic conditions up to **60 minutes** into the future to help prevent traffic congestion

Rio de Janeiro,
automated alerts of changes in flood and landslide forecast to **reduce reaction times** in emergencies

IBM®

- **Video – City of Rio**
  - http://www.youtube.com/watch?v=1BWxO9nqABo

IBM Smarter Cities - we say NO to this!

IBM Capabilities

Pulse

Assets

- **Video DC Water**
  - http://www.youtube.com/watch?v=xFEIO1SczNk

Townsville: A water conservation story
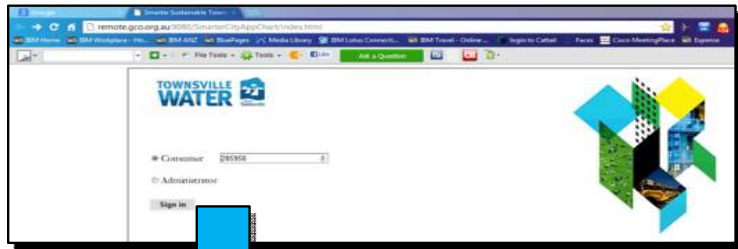
Administrator

Consumer

Water report for
285958
110689288

Usage Trend
21.7%
increase

Your Rank
O
place

Water usage by day in **litres** | dollars | kg CO2

56L

FRIDAY

Hourly breakdown | Weekly Usage | Compare
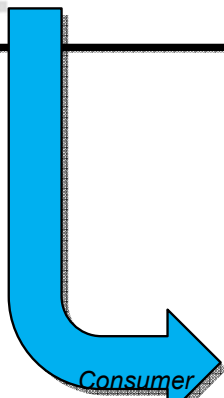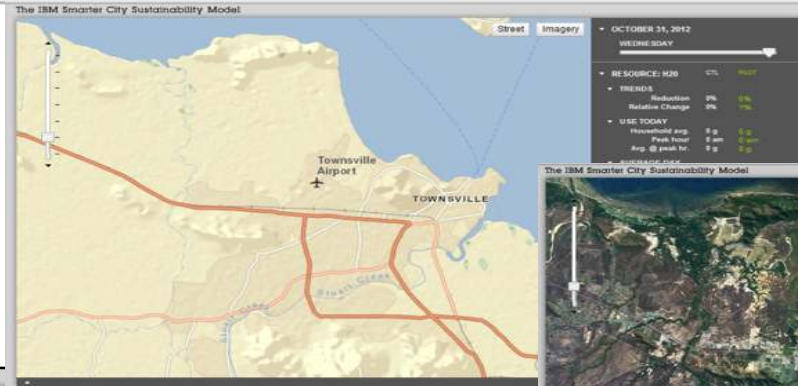
Input profile data

Objectives:

To validate that Consumption Analysis and Behaviour Analysis can reduce water usage in Townsville

Measures:
1. The degree Smart Water System impacted pilot household's water use
2. The degree to which pilot households actually used the Smart System
3. Features of the Smart Water System most used
4. The ways in which the Smart Water System impacted water use, and associated factors such as *beliefs, attitudes and knowledge*

Detected

A potential leak of 20L per hour. To report click here report or call 07 3335 4444

IBM Smarter Cities – A transportation scenario

- **Transportation demonstration**
  - Ralph Klaassen
  - David Robinson

THANK YOU

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