

Water Audit 2017- Statistics

The City's inaugural water audit was undertaken by Kerr Wood Leidal Associates Ltd. (KWL) in 2012, and a second follow up water audit was carried out by KWL in 2017. In the five period between the two water audits, numerous significant changes were undertaken to the City's water treatment, water supply and distribution systems.

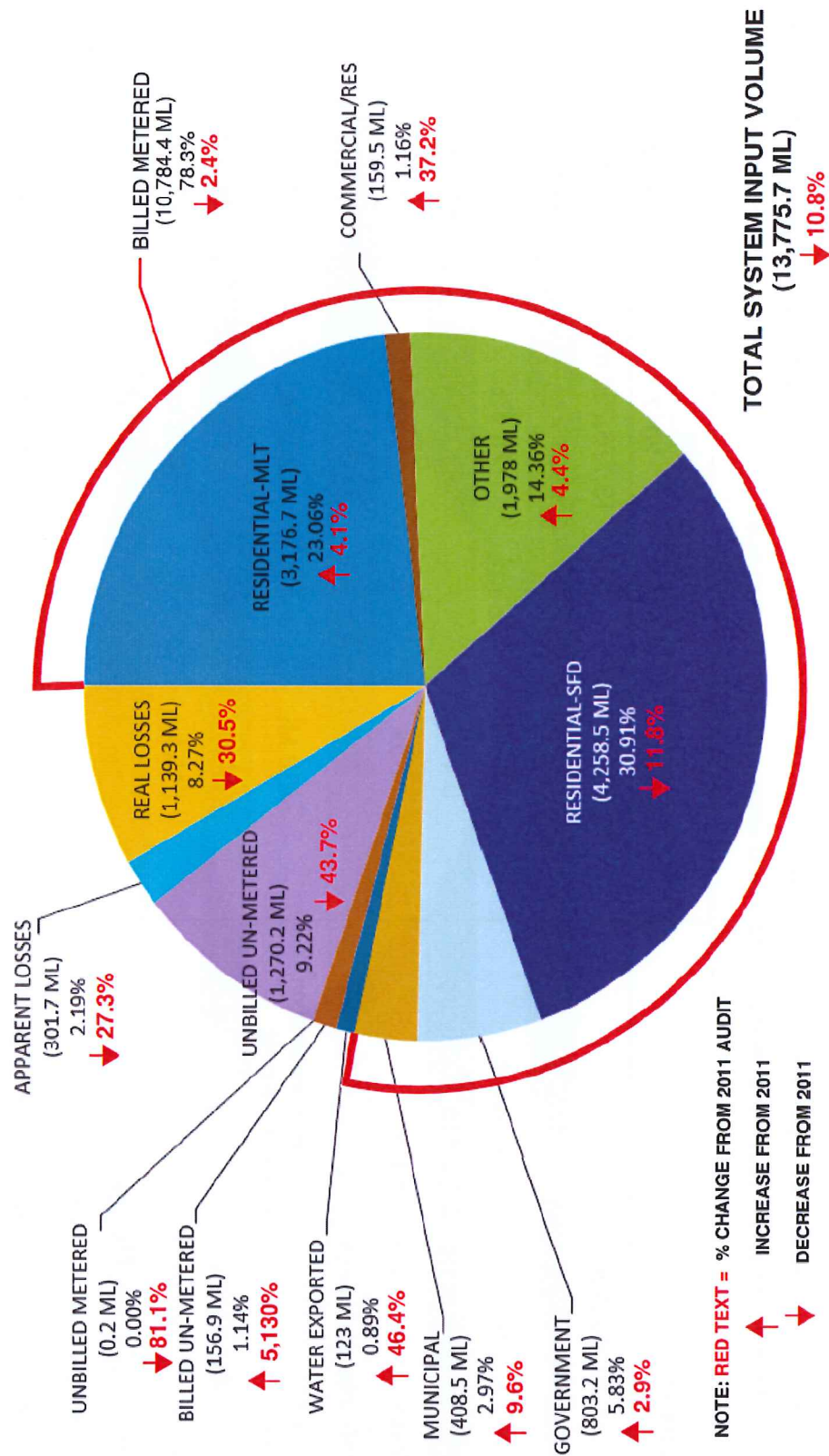
- South Fork Water Treatment Plant and associated supply mains.
- Reservoir Number 1, the Energy Recovery Facility and associated supply mains.
- Numerous new water distribution mains to accommodate new developments and capital asset management replacement of old aging water pipelines, water meters and water service connections.

Statistic	Water Audit		
	2012	2017	Change
Annual Production	15,575,392 m ³	13,775,700 m ³	-10.8%
Population (census data)	84,741	91,506	+7.9%
Revenue (billed from water generated)	72.0%	78.3%	+6.3%
Electricity Generated & Sold to BC Hydro	0 MWh	880 MWh	+100%
Infrastructure Leakage Index	1.54	1.13	-30%
Real Losses (leakage)	9.83%	8.27%	-16%
Apparent Losses (unauthorized consumption, meter inaccuracies & data handling errors)	438 ML	302 ML	-27.3%
Bulk Water Sales	84 ML	123 ML	+46.4%
Length of Watermains	615 km	636 km	+3.4%
Number of Water Meters	24,276	26,119	+7.6%
Residential Use (single family)	4,830 ML	4,258 ML	-11.8%
Residential Use (multi family)	3,050 ML	3,176 ML	+4.1%
Average Day per Capita Residential Use	251 L/person/day	222 L/person/day	-13%

Overall the 2017 water audit identified that the City has made positive changes in almost every aspect of the water audit compared to the inaugural water audit of 2012.

Water Audit 2017 - Statistics

Summary of results from the 2017 water audit:



2017 Annual Strategic Directions for the Public Works and Engineering Committee

Item 1: Cross Connection Policy

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
3.	<ul style="list-style-type: none"> Water : 2012-2015 Strategic Priorities Official Community Plan: Water Services (6.9) 	<ul style="list-style-type: none">

Item 2: Complex Project Review

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
3.	<ul style="list-style-type: none"> Asset Management/ Taking responsibility: 2012-2015 Strategic Plan 	<ul style="list-style-type: none">

Item 3: Water Meter Policy

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
3.	<ul style="list-style-type: none"> Taking responsibility: 2012-2019 Strategic plan Water Services : Official Community Plan (6.9) 	<ul style="list-style-type: none">

Item 4:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

Item 5:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

2018 Annual Strategic Directions for the Engineering & Public Works Committee

Item 1:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
▪	▪	▪

Item 2:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
▪	▪	▪

Item 3:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
▪	▪	▪

Item 4:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
▪	▪	▪

Item 5:

How does it relate to the following?

Strategic Plan Update 2016-2019	Adopted Plans and Documents	Programs
▪	▪	▪