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VANCOUVER POLICE DEPARTMENT

REPORT TO THE VANCOUVER POLICE BOARD

REPORT DATE: 2013-10-03
BOARD MEETING DATE: 2013-10-15
BOARD REPORT # 1310P01
Regular

TO: Vancouver Police Board
FROM: Jim Chu, Chief Constable
SUBJECT: Q3 2013 Key Performance Indicator Report

RECOMMENDATION:

That the Vancouver Police Board receives this report for information.

BACKGROUND:

The Key Performance Indicator (KPI) report is produced quarterly. This report reviews property crime, violent crime, clearance rates, response times, ICBC reported traffic injuries and motor vehicle incidents resulting in death. In the second quarter of each year, the results of the business and residential satisfaction surveys are provided as well. This report is produced for the VPD Executive and members of the Vancouver Police Board to provide a macro-level perspective of organizational performance and overall public safety.

DISCUSSION:

The following is a summary of the Q3 2013 KPI Report:

Property Crime

In the third quarter of 2013, reported property crime increased 1.0%, from 8,924 to 9,009 offences, when compared to the same quarter last year.

Violent Crime

In the third quarter of 2013, reported violent crime decreased 4.3%, from 1,684 to 1,612 offences, when compared to the same quarter last year.

Response Times

Vancouver's priority 1 response times in the third quarter of 2013 (11:28) was slower by 1 minute 45 seconds (17.9%) when compared to the same quarter last year (9:43).

Traffic Injuries & Deaths

The most recent ICBC data shows that reported injuries are up 7.5% from the second quarter of 2013 (2,380) compared to the second quarter of 2012 (2,214).

There were three traffic incidents that resulted in three fatalities in the third quarter of 2013 compared to five incidents that resulted in five fatalities in the third quarter of 2012.

CONCLUSION:

The VPD will provide the Vancouver Police Board four quarterly KPI reports in 2013, scheduled for Board meetings in April (Q1), July (Q2), September (Q3), and January 2014 (Q4 of 2013).

Author: Correen Yedon Telephone: 604-717-2689 Date: October 3, 2013

Submitting Executive Member (signature):

A/DCC Daryl Wiebe Date: October 7, 2013



KEY PERFORMANCE INDICATORS - Q3 2013

PROPERTY CRIME	Q3 2013	Q3 2012	% Change
DISTRICT 1	2,786	2,312	20.5%
DISTRICT 2	2,085	1,940	7.5%
DISTRICT 3	1,742	1,928	-9.6%
DISTRICT 4	2,326	2,696	-13.7%
CITY-WIDE*	9,009	8,924	1.0%



1.0%

PROPERTY CLEARANCE TYPE	Q3 2013	Q3 2012	% Change
UNFOUNDED	1.5%	2.0%	-26.6%
FOUNDED NOT CLEARED	82.2%	81.9%	0.3%
CHARGED	11.4%	11.0%	2.9%
CLEARED BY OTHER MEANS	4.9%	5.0%	-0.8%

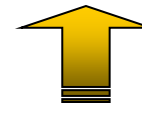
VIOLENT CRIME	Q3 2013	Q3 2012	% Change
DISTRICT 1	404	439	-8.0%
DISTRICT 2	737	704	4.7%
DISTRICT 3	285	313	-8.9%
DISTRICT 4	167	218	-23.4%
CITY-WIDE*	1,612	1,684	-4.3%



-4.3%

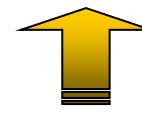
VIOLENT CLEARANCE TYPE	Q3 2013	Q3 2012	% Change
UNFOUNDED	4.0%	5.8%	-30.8%
FOUNDED NOT CLEARED	51.2%	48.3%	5.9%
CHARGED	35.2%	35.1%	0.4%
CLEARED BY OTHER MEANS	9.6%	10.9%	-11.2%

RESPONSE TMES	Q3 2013	Q3 2012	% Change
DISTRICT 1	09:19	07:48	19.5%
DISTRICT 2	11:08	09:21	19.0%
DISTRICT 3	11:51	10:33	12.3%
DISTRICT 4	12:44	12:03	5.7%
CITY-WIDE*	11:28	09:43	17.9%



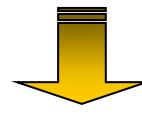
17.9%

ICBC REPORTED INJURIES	Q2 2013	Q2 2012	% Change
CITY-WIDE*	2,380	2,214	7.5%



7.5%

TRAFFIC DEATHS	Q3 2013	Q3 2012	% Change
CITY-WIDE*	3	5	-40.0%



-40.0%

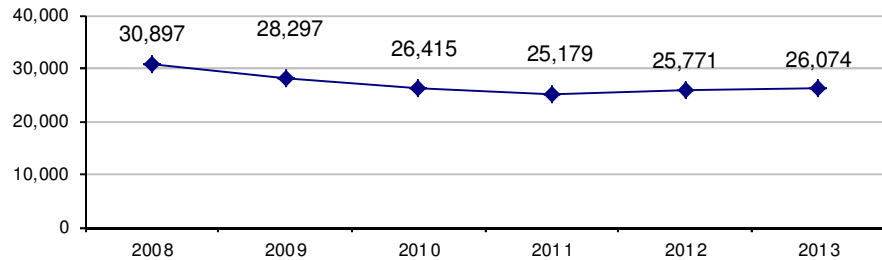
* City-wide totals include incidents coded as location unknown



TOTAL NUMBER OF INCIDENTS

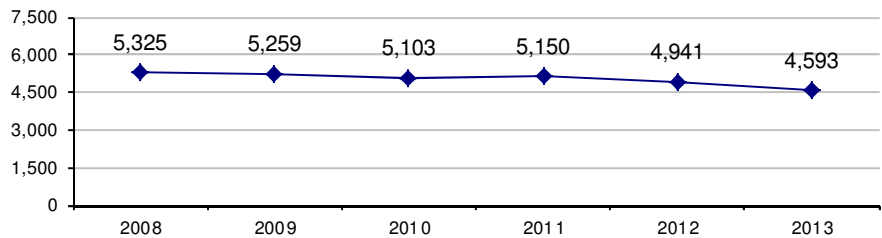
PROPERTY CRIME

YTD September 30th



VIOLENT CRIME

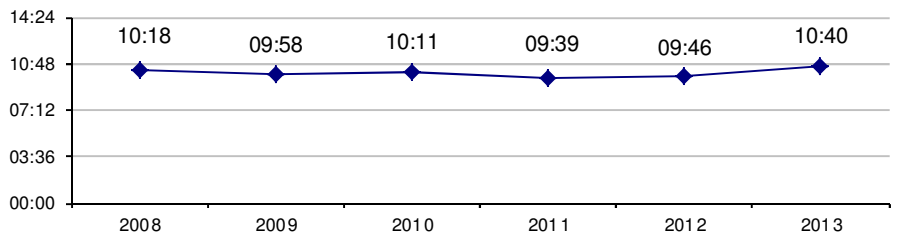
YTD September 30th



RESPONSE TIMES

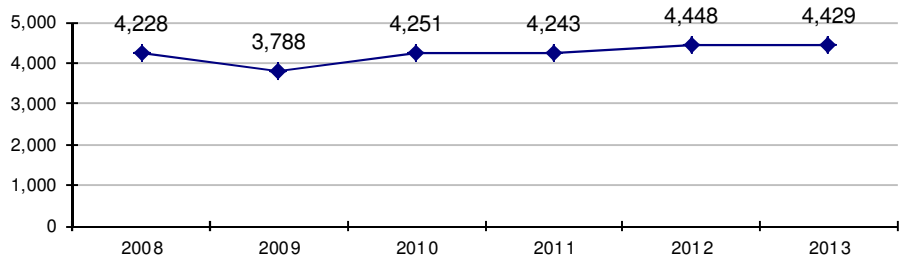
Minutes:Seconds

YTD September 30th



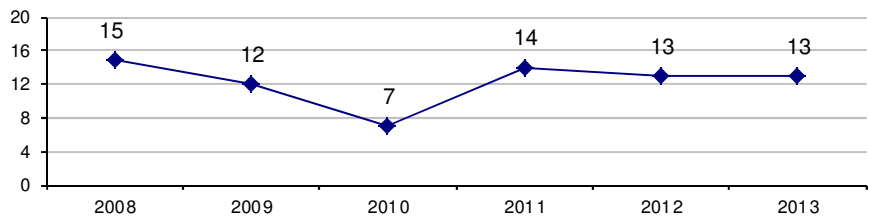
TRAFFIC INJURIES

ICBC REPORTED INJURIES
YTD June 30th



TRAFFIC DEATHS

YTD September 30th



KEY PERFORMANCE INDICATORS

Q3 2013

Planning, Research & Audit Section

October 2013



VANCOUVER POLICE DEPARTMENT
Beyond the Call



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EXECUTIVE SUMMARY

Property Crime

In the third quarter of 2013, reported property crime increased 1.0%, from 8,924 to 9,009 offences, when compared to the same quarter last year.

Violent Crime

The number of violent crimes decreased 4.3% from 1,684 to 1,612 offences when comparing the third quarter of 2012 and 2013.

Clearance Rates

In the third quarter of 2013, 11.4% of property crimes were cleared by charge. This figure is up slightly from the 2012 figure of 11.0% and is also up from last quarter (10.8%).

In the third quarter of 2013, violent crime incidents cleared by charge increased from 35.1% in 2012 to 35.2%. The current quarter clearance rate is down from last quarter which reported 39.7% of incidents cleared by charge.

Response Times

Vancouver's priority 1 response times in the third quarter of 2013 (11:28) was slower by 1 minute 45 seconds (17.9%) when compared to the same quarter last year (9:43).

Traffic Attended Injuries & Deaths

The most recent ICBC data shows that reported injuries are up 7.5% from the second quarter of 2013 (2,380) compared to the same quarter of 2012 (2,214).

There were 3 traffic incidents that resulted in 3 fatalities in the third quarter of 2013 compared to 5 incidents that resulted in 5 fatalities in the third quarter of 2012.

Annual Citizen Satisfaction Levels

Citizen satisfaction survey results are reported annually. The 2013 results will be reported in the second quarter of the 2014 KPI Report.

Budget Variance

Budget variance data for the quarter is presented to the Vancouver Police Board through their Finance Committee.



INTRODUCTION

The Vancouver Police Department's (VPD) 2012-2016 Strategic Plan establishes the VPD's vision of being "Canada's leader in policing – providing safety for all". The Strategic Plan identifies policing priorities that include the following five crime reduction goals:

- Reduce property crime by 5% a year for a total reduction of 25% over the next five years;
- Reduce violent crime by 2.5% a year for a total reduction of 12.5% over the next five years;
- Disrupt organized crime groups;
- Reduce motor vehicle collisions that result in injury or death by 12.5% over the next five years; and
- Combat low-level crimes and problems that impact perceptions of neighbourhood safety.

The establishment of crime reduction goals is critical and success can be accurately determined through effective measurement. The VPD and Vancouver Police Board identified Key Performance Indicators (KPIs) that provide a macro-level perspective of organizational performance. A KPI report is produced on a quarterly basis to provide a snapshot of the VPD relative to its primary purpose – public safety.

This KPI Report presents data for the third quarter of 2013 (Q3 2013) and is compared to the same quarter the previous year (Q3 2012). A description of the data included in this report and the extraction criteria is available in the appendix. The KPIs that will be presented in this report are:

- Property crime rates;
- Violent crime rates;
- Clearance rates for criminal investigations;
- ICBC reported injuries, traffic deaths; and,
- Annual citizen satisfaction survey¹.

¹ This KPI is reported in the second quarter of each year.



PROPERTY CRIME & CLEARANCE RATES

Table 1 shows the breakdown of property crime by District during the third quarter of 2012 and 2013. As shown, property crime has increased 1.0% city-wide when comparing this quarter to the same quarter last year. District 1 experienced the highest increase in property crimes (20.5%) whereas District 4 experienced the largest decrease in property crime (-13.7%)

Table 1: City-wide & District Annual Property Crime Comparisons






	Q3 2013	Annual Comparison	Q3 2012
District 1	2,786	 20.5%	2,312
District 2	2,085	 7.5%	1,940
District 3	1,742	 -9.6%	1,928
District 4	2,326	 -13.7%	2,696
City-wide	9,009	 1.0%	8,924



Table 2 breaks down property crimes by district on a quarterly basis. This table also provides a year to date summary of offences along with the percentage change comparing this quarter to the same quarter last year. From a city-wide perspective, Theft (<>\$5K) is mostly responsible for the increase in property crimes where there was a 5.0% increase in theft or 151 incidents. Focusing at the District Level, District 1 experienced notable increases to business B&Es and theft from autos (TFA).

Table 2: City-wide & District Quarterly Property Crime Comparisons

	Q3 2013						% Change From Same Quarter Previous Year					
	D1	D2	D3	D4	City	YTD	D1	D2	D3	D4	City	YTD
Property Crime	2786	2085	1742	2326	9009	26074	20.5%	7.5%	-9.6%	-13.7%	1.0%	1.2%
B&E - Total	221	252	340	383	1197	3643	64.9%	12.5%	4.9%	-31.5%	-3.7%	-0.9%
Business	142	86	57	78	364	1329	108.8%	-5.5%	-18.6%	-35.0%	4.3%	2.0%
Residence	72	138	246	224	680	1837	12.5%	16.0%	21.8%	-37.3%	-8.6%	-2.3%
Other	7	28	37	81	153	477	250.0%	100.0%	-28.8%	-1.2%	2.0%	-3.0%
Theft of Auto	42	79	72	68	262	848	13.5%	-16.0%	-43.8%	-34.6%	-28.0%	-8.1%
TFA (<>\$5K)	737	364	350	564	2027	5887	78.5%	-12.1%	-24.4%	-14.8%	3.5%	-3.0%
Theft (<>\$5K)	1251	814	547	838	3484	9517	5.1%	16.8%	3.8%	-5.8%	4.5%	5.0%
Have Stolen Goods	75	120	57	43	295	949	1.4%	16.5%	-9.5%	-12.2%	1.7%	12.7%
Fraud	175	118	135	148	591	1871	1.7%	8.3%	-2.9%	26.5%	9.0%	11.0%
Arson	12	26	19	19	76	181	20.0%	100.0%	-5.0%	46.2%	35.7%	11.0%
Mischief (<>\$5K)	273	312	222	263	1077	3178	-3.2%	9.1%	-15.9%	-12.9%	-5.4%	-5.1%

To account for seasonal changes, Table 3 shows the quarterly percentage change over the previous year as they relate to the number of reported property crimes.

Table 3: Recent Property Crime Trends

Quarter	# of Property Crimes	% Change From Same Quarter Previous Year
Q3 2012	8,924	-1.6%
Q4 2012	8,593	8.5%
Q1 2013	7,897	-3.4%
Q2 2013	8,947	4.9%
Q3 2013	9,009	1.0%



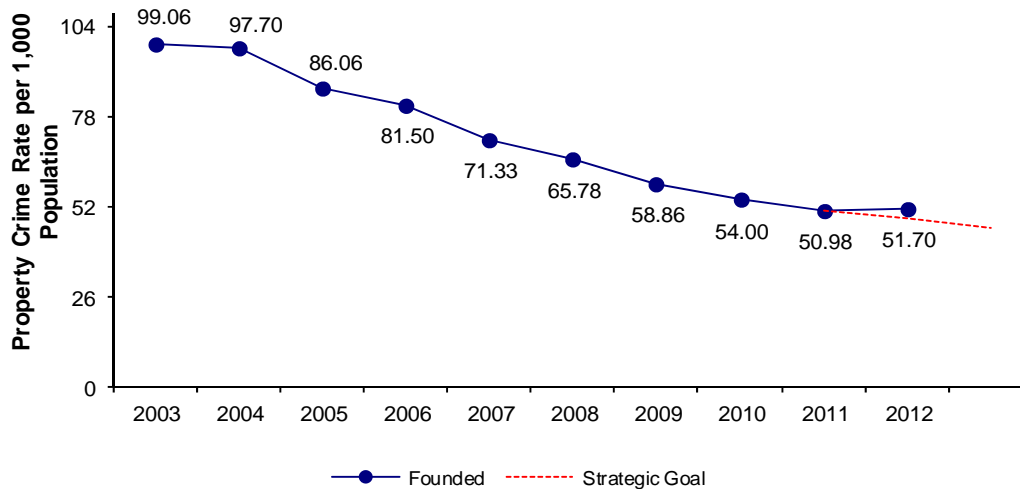
Table 4 shows that property crime rate has decreased annually from 2008 to 2011. The city of Vancouver's property crime rate increased 1.4% in 2012. Overall, the five year trend shows the property crime rate has decreased 21.4% from 2008 to 2012.

Table 4: Five Year Trend for Property Crime Rate per 1,000 Population

	Crime Rate					% Change				
	2008	2009	2010	2011	2012	2008-2009	2009-2010	2010-2011	2011-2012	2008-2012
Property Crime	65.78	58.86	54.00	50.98	51.70	-10.5%	-8.3%	-5.6%	1.4%	-21.4%
B&E - Total	10.87	8.66	7.70	7.71	7.74	-20.4%	-11.1%	0.1%	0.4%	-28.8%
Business	3.66	3.01	2.60	2.64	2.71	-17.7%	-13.8%	1.7%	2.4%	-26.1%
Residence	5.90	4.49	4.13	4.18	4.01	-23.8%	-8.0%	1.2%	-4.2%	-32.1%
Other	1.31	1.15	0.97	0.88	1.03	-12.3%	-16.1%	-8.5%	16.4%	-21.6%
Theft of MV	4.04	3.05	2.38	1.76	1.80	-24.4%	-22.1%	-26.0%	2.4%	-55.3%
Theft from MV (<=>\$5K)	18.71	16.18	13.55	11.52	12.27	-13.5%	-16.3%	-14.9%	6.5%	-34.4%
Theft (<> \$5K)	17.68	18.02	17.47	16.96	17.81	1.9%	-3.0%	-3.0%	5.0%	0.7%
Have Stolen Goods	1.84	1.88	1.52	1.57	1.70	2.1%	-19.3%	3.2%	8.3%	-7.9%
Fraud	3.21	3.52	3.94	3.62	3.40	9.5%	11.9%	-8.1%	-6.1%	5.8%
Arson	0.43	0.33	0.31	0.42	0.34	-24.8%	-6.5%	38.9%	-20.0%	-21.8%
Mischief (<> \$5K)	9.00	7.23	7.14	7.42	6.64	-19.7%	-1.2%	4.0%	-10.5%	-26.2%

Furthermore, the property crime rate experienced eight consecutive annual decreases from 2003 to 2011. Unfortunately, crime rate increased from 50.98 crimes per 1,000 population in 2011 to 51.70 property crimes per 1,000 population by the end of 2012. The dashed line represents the property crime reduction goal set in the 2012-2016 Strategic Plan.

Figure 1: Annual Property Crime Rate per 1,000 Population





The clearance rate represents the proportion of reported criminal incidents that are solved by police. Table 5 shows that in the third quarter of 2013, 11.4% of property crimes were cleared by charge. This figure is up slightly from the 2012 figure of 11.0% and is also up from last quarter (10.8%).

Table 5: Property Crime Clearance Rates

Clearance Type	Current (Q3 2013)	Last Year (Q3 2012)	Last Quarter (Q2 2013)
Unfounded	1.5%	2.0%	1.5%
Founded Not Cleared	82.2%	81.9%	83.4%
Charged	11.4%	11.0%	10.8%
Cleared by Other Means	4.9%	5.0%	4.4%



VIOLENT CRIME & CLEARANCE RATES

Table 6 shows the breakdown of violent crime by District comparing the third quarter of 2012 and 2013. City-wide, violent crime is down 4.3% when compared to the same period last year. District 2 is the only district to have experienced an increase in violent crime (4.7%).

Table 6: City-wide & District Annual Violent Crime Comparisons






	Q3 2013	Annual Comparison	Q3 2012
District 1	404	 -8.0%	439
District 2	737	 4.7%	704
District 3	285	 -8.9%	313
District 4	167	 -23.4%	218
City-wide	1,612	 -4.3%	1,684



Table 7 breaks down violent crimes by district on a quarterly basis. This table also provides a year to date summary of offences along with the percentage change comparing this quarter to the same quarter last year. Robbery experienced the largest decrease with 63 fewer incidents or 18.3% decrease. Whereas Sexual Offences was the only violent crime type to experience an increase (9.1% or 17 incidents); however, District 2 experienced a 74.3% increase in Sexual Offences. To put this increase in context, this equates to 26 more Sexual Offences in District 2 which also equates to two more per week in Q3.

Table 7: City-wide & District Quarterly Violent Crime Comparisons

	Q3 2013						% Change From Same Quarter Previous Year					
	D1	D2	D3	D4	City	YTD	D1	D2	D3	D4	City	YTD
Violent Crime	404	737	285	167	1612	4593	-8.0%	4.7%	-8.9%	-23.4%	-4.3%	-7.0%
Culpable Homicide	0	0	1	0	1	4	0.0%	0.0%	0.0%	0.0%	0.0%	-33.3%
Attempted Murder	0	1	2	1	4	15	-100.0%	-66.7%	n/c	0.0%	-20.0%	-6.3%
Sexual Offences	37	61	27	25	159	430	15.6%	74.3%	-15.6%	-37.5%	12.0%	9.1%
Assaults	317	581	206	108	1221	3493	-3.4%	4.3%	-2.4%	-25.0%	-2.0%	-6.3%
Robbery	50	94	49	33	227	651	-35.9%	-13.8%	-29.0%	0.0%	-21.7%	-18.3%

To account for seasonal changes, Table 8 shows the quarterly percentage change over the previous year as they relate to the number of violent crimes reported city wide.

Table 8: Recent Violent Crime Trends

Quarter	# of Violent Crimes	% Change From Same Quarter Previous Year
Q3 2012	1,684	-1.6%
Q4 2012	1,388	-10.6%
Q1 2013	1,415	-7.6%
Q2 2013	1,510	-9.6%
Q3 2013	1,612	-4.3%



Examining a five year trend for violent crime rate shows this crime category has decreased by 17.1%. Sexual Offences (1.0%) is the only violent crime that has not decreased over this period (see Table 9).

Table 9: Five Year Trend for Violent Crime Rate per 1,000 Population

	Crime Rate					% Change				
	2008	2009	2010	2011	2012	2008-2009	2009-2010	2010-2011	2011-2012	2008-2012
Violent Crime	11.49	11.07	10.44	10.29	9.52	-3.7%	-5.6%	-1.5%	-7.4%	-17.1%
Culpable Homicide	0.03	0.03	0.01	0.02	0.01	-2.0%	-51.1%	64.4%	-41.4%	-53.8%
Attempted Murder	0.03	0.03	0.02	0.02	0.03	-16.0%	-45.7%	28.2%	57.9%	-7.6%
Sexual Offences	0.73	0.81	0.87	0.78	0.74	11.3%	7.2%	-10.0%	-5.9%	1.0%
Assaults	8.20	8.12	7.87	7.84	7.19	-1.0%	-3.0%	-0.3%	-8.3%	-12.3%
Robbery	2.49	2.08	1.67	1.61	1.55	-16.5%	-19.7%	-3.4%	-4.1%	-37.9%

Figure 2 shows the violent crime rate has declined six consecutive years from 12.13 crimes per 1,000 population in 2006 to 9.52 crimes per 1,000 population in 2012. The dashed line represents the violent crime reduction goal set in the 2012-2016 Strategic Plan.

Figure 2: Annual Violent Crime Rate per 1,000 Population

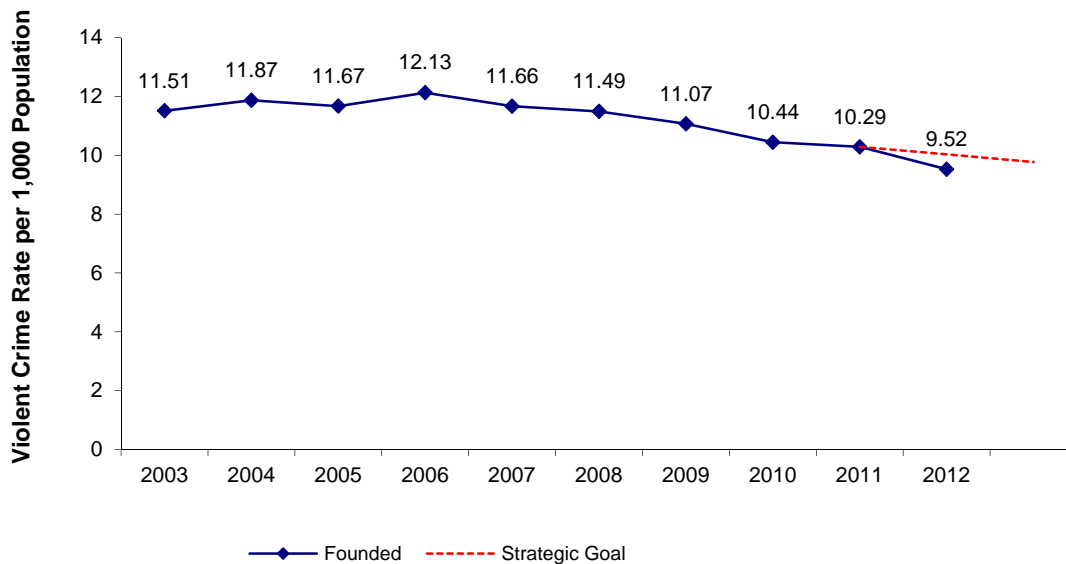




Table 10 shows that in the third quarter of 2013, violent crime incidents cleared by charge increased from 35.1% in 2012 to 35.2%. The current quarter clearance rate is down from last quarter which reported 39.7% of incidents cleared by charge.

Table 10: Violent Crime Clearance Rates






Clearance Type	Current (Q3 2013)	Last Year (Q3 2012)	Last Quarter (Q2 2013)
Unfounded	4.0%	5.8%	5.6%
Founded Not Cleared	51.2%	48.3%	42.8%
Charged	35.2%	35.1%	39.7%
Cleared by Other Means	9.6%	10.9%	12.0%



RESPONSE TIMES

Table 11 shows Priority 1 (P1) response times by District and shows the percentage change from this quarter to the same quarter in 2012. Overall, city-wide P1 response times were slower by 17.9% or 1 minute 45 seconds. All districts experienced an increase in P1 response times in the third quarter of 2013 when compared to the same quarter last year, with the largest increase in District 2 at 1 minute 46 seconds. However, the longest response times took place in District 4 at 12 minutes 44 seconds.

Table 11: City-wide & District Annual Response Time Comparisons

	Q3 2013	Annual Comparison	Q3 2012
District 1	09:19	 19.5%	07:48
District 2	11:08	 19.0%	09:21
District 3	11:51	 12.3%	10:33
District 4	12:44	 5.7%	12:03
City-wide	11:28	 17.9%	09:43

As has been previously explained to the Board, statistical outliers can have significant impacts on the P1 response time (particularly at the District level). To mitigate the effect of these outliers other statistical tests were run and they reveal that the P1 response time increased by 10.6% city-wide.

It should be noted that there was a 9.6% increase in the number of P1 calls in Q3 2013 compared to Q3 2012. Also further analysis showed that there were similar increases in how long a call took to dispatch as well as the travel time to the call.



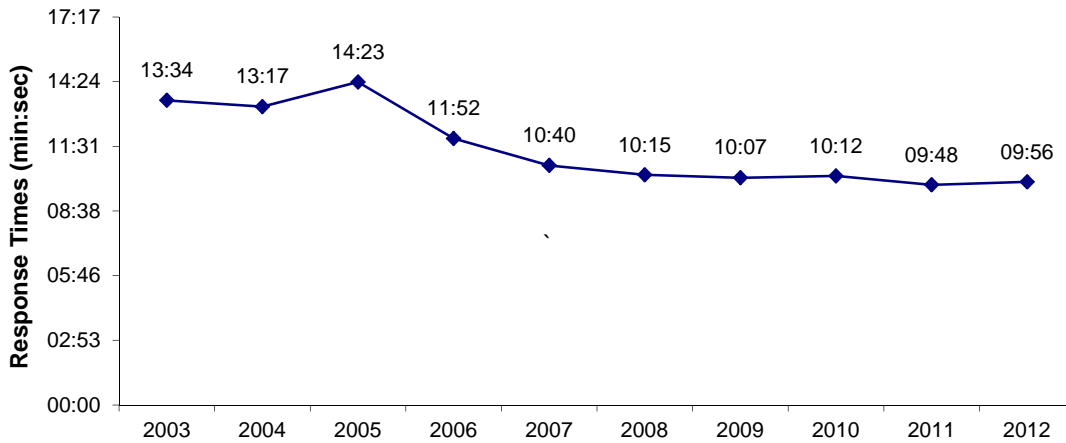
To account for seasonal changes, Table 12 shows the quarterly percentage change over the previous year as they relate to P1 response times.

Table 12: Recent Priority 1 Response Times

Quarter	Response Time	% Change From Same Quarter Previous Year
Q3 2012	09:43	-0.3%
Q4 2012	10:26	2.8%
Q1 2013	10:00	0.8%
Q2 2013	10:21	7.2%
Q3 2013	11:28	17.9%

Figure 3 illustrates P1 response times by year. The 2012, the city-wide P1 response time (9:56) was slower by 8 seconds or 1.3% when compared to the 2011 P1 response time (9:48). Although response times are up slightly from 2011, the 2012 response time is the next lowest response time reported dating back to 2003.

Figure 3: Priority 1 Response Times





TRAFFIC RELATED INJURIES & DEATHS

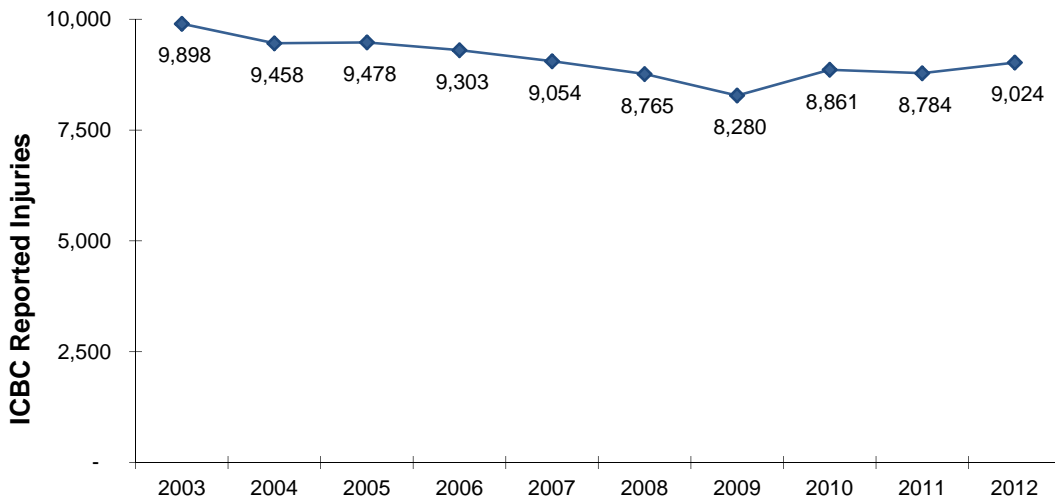
Table 13 shows overall the city of Vancouver has experienced 0.4% fewer ICBC reported injuries in the first half of 2013 when compared to same time period in 2012.

Table 13: ICBC Reported Injuries

	2013	Annual Comparison	2012
Q1	2,049	↓ -8.3%	2,234
Q2	2,380	↑ 7.5%	2,214

Figure 4 depicts the number of ICBC² reported injuries from 2003 to 2012. ICBC reported four consecutive decreases in reported injuries from 2005 (9,478) to 2009 (8,280) before experiencing a 7.0% increase in 2010 (8,861) and a 0.9% decrease in 2011 (8,784). Overall, ICBC reported an 8.8% decrease in reported injuries from 2003 to 2012.

Figure 4: ICBC Reported Injuries



² ICBC data is usually one quarter behind in reporting the data to the VPD.



To account for seasonal changes, Table 14 shows the quarterly percentage change over the previous year as they relate to the number of ICBC reported injuries city wide. The most recent ICBC data is noted below.

Table 14: ICBC Reported Injuries Trends

Quarter	# ICBC Claims	% Change From Same Quarter Previous Year
Q2 2012	2,214	1.5%
Q3 2012	2,136	0.5%
Q4 2012	2,537	4.6%
Q1 2013	2,049	-8.3%
Q2 2013	2,380	7.5%

Table 15 compares the number of fatal traffic incidents and deaths over the past year by quarter³. Year to date there have been 3 traffic incidents resulting in 3 fatalities.

Table 15: Fatal Traffic Incidents

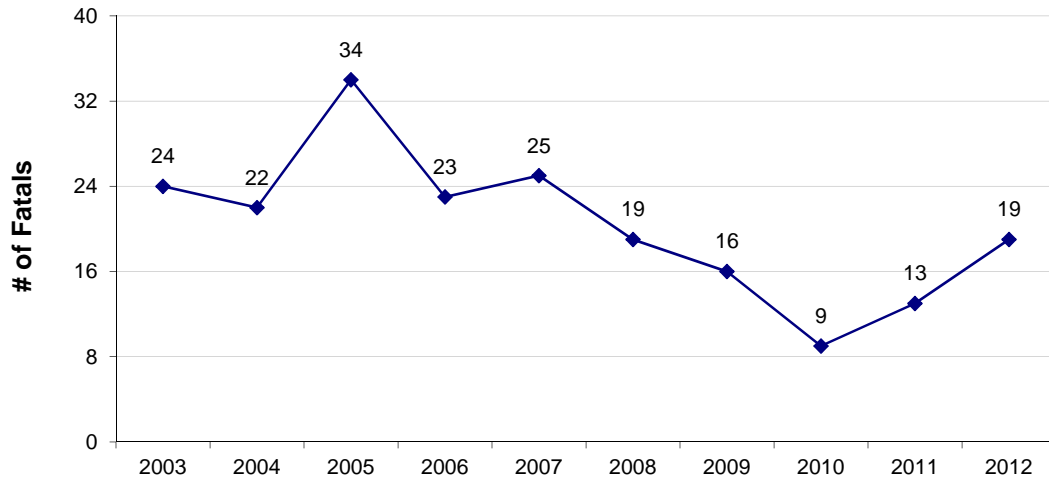
Quarter	# of Incidents	# of Deaths	Quarter	# of Incidents	# of Deaths
Q3 2012	5	5	Q3 2011	2	2
Q4 2012	5	6	Q4 2011	0	0
Q1 2013	3	3	Q1 2012	4	4
Q2 2013	7	7	Q2 2012	3	4
Q3 2013	3	3	Q3 2012	5	5

³ Percent changes were not included in the tables as the overall small number of total fatalities cause any change to result in percentage changes that appear significant but should not be interpreted as such.



Figure 5 shows there were 19 fatal incidents involving a motor vehicle in 2012.

Figure 5: Fatalities Resulting in Motor Vehicle Incidents





APPENDIX

Data

The data for this report is obtained from the PRIME records management system. Crime statistics at the VPD are published using the 'all offences method', which captures all of the offences associated with an incident. An incident may include up to four separate offences.

The crime statistics noted in this report reflect the raw reported crime counts based on the all offence method and exclude all cases cleared as unfounded to more accurately represent actual criminal offences rather than incidents reported.

Crime rates are calculated per 1,000 population. BC Statistics cites Vancouver's 2012 population to be 666,517⁴. A five-year estimate was calculated to project the 2013 population in order to calculate crime rates.

Clearance Rates describe the status of an incident. An incident can be cleared either as founded or unfounded.

Founded

- *Cleared by Charge:* A charge has been laid or is recommended to be laid against a suspect in connection with the incident.
- *Cleared by Other Means:* A suspect has been identified in connection with the incident but is processed by another means.
- *Founded but not Cleared:* A suspect has not been identified in connection with the incident.

Unfounded

- *Unfounded:* No violation of the law took place.

Response times are calculated by subtracting the time a unit arrives on scene at a call from when a call for service is received by E-Comm. The following calls are excluded from response time calculations: on-view calls, self-initiated calls, calls with a response time less than one minute and greater than 10 hours, and call types motor vehicle incident with injury and missing persons.

⁴ BC Stats as of January 2013.