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VANCOUVER POLICE DEPARTMENT

REPORT TO THE VANCOUVER POLICE BOARD

REPORT DATE: April 5, 2013
BOARD MEETING DATE: April 16, 2013
BOARD REPORT # 1304V07
Regular

TO: Vancouver Police Board
FROM: Chief Constable Jim Chu
SUBJECT: Q1 2013 Key Performance Indicator Report

RECOMMENDATION:

That the Vancouver Police Board receives this report for their information.

SUMMARY:

Every calendar quarter the Vancouver Police Board is provided with an update on the Vancouver Police Department's (VPD) Key Performance Indicators (KPI). Below is a summary of the results for the first quarter of 2013 (Q1 2013).

BACKGROUND:

This report reviews property crime, violent, clearance rates, priority 1 response time, VPD attended traffic injuries, 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 to provide a macro-level perspective of organizational performance and overall public safety.

DISCUSSION:

The following is a summary of the Q1 2013 KPI Report:

Property Crime

In the first quarter of 2013, reported property crime decreased 3.4%, from 8,173 to 7,897 offences, when compared to the same quarter last year.

Violent Crime

The number of violent crimes decreased 7.6% from 1,532 to 1,415 offences when comparing the first quarter of 2012 and 2013.

Priority 1 Response Time

Vancouver's priority 1 response time in the first quarter of 2013 (10:00) was slower by 5 seconds (0.8%) when compared to the same quarter last year (9:55).

Traffic Injuries & Deaths

The VPD attended fewer traffic injury calls in the first quarter of 2013 (277) when compared to the same quarter last year (311). This represents a 10.9% decrease in attended traffic injury calls.

The most recent ICBC data shows that reported injuries are up 2.7% from the fourth quarter of 2012 (9,204) compared to the final quarter of 2011 (8,784).

There were 3 traffic incidents that resulted in 3 fatalities in the first quarter of 2013 compared to 4 incidents that resulted in 4 fatalities in the first 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: April 5, 2013

Submitting Executive Member: DCC Warren Lemcke (name)

(signature) Date: April 5, 2013



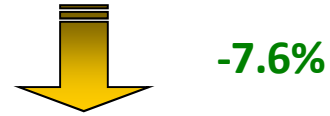
KEY PERFORMANCE INDICATORS - Q1 2013

PROPERTY CRIME	Q1 2013	Q1 2012	% Change
DISTRICT 1	2,173	2,389	-9.0%
DISTRICT 2	1,627	1,719	-5.4%
DISTRICT 3	1,861	1,838	1.3%
DISTRICT 4	2,161	2,211	-2.3%
CITY-WIDE*	7,897	8,173	-3.4%



PROPERTY CLEARANCE TYPE	Q1 2013	Q1 2012	% Change
UNFOUNDED	1.6%	1.4%	11.9%
FOUNDED NOT CLEARED	81.2%	80.5%	0.9%
CHARGED	11.8%	11.8%	0.1%
CLEARED BY OTHER MEANS	5.4%	6.3%	-14.3%

VIOLENT CRIME	Q1 2013	Q1 2012	% Change
DISTRICT 1	367	399	-8.0%
DISTRICT 2	563	658	-14.4%
DISTRICT 3	288	270	6.7%
DISTRICT 4	189	202	-6.4%
CITY-WIDE*	1,415	1,532	-7.6%



VIOLENT CLEARANCE TYPE	Q1 2013	Q1 2012	% Change
UNFOUNDED	4.8%	5.8%	-17.3%
FOUNDED NOT CLEARED	44.5%	47.2%	-5.7%
CHARGED	39.8%	37.7%	5.5%
CLEARED BY OTHER MEANS	10.9%	9.3%	17.4%

RESPONSE TIMES	Q1 2013	Q1 2012	% Change
DISTRICT 1	08:44	07:29	16.8%
DISTRICT 2	09:45	10:10	-4.1%
DISTRICT 3	10:11	10:36	-4.0%
DISTRICT 4	11:24	11:40	-2.3%
CITY-WIDE*	10:00	09:55	0.8%



TRAFFIC INJURIES ATTENDED	Q1 2013	Q1 2012	% Change
DISTRICT 1	60	65	-7.7%
DISTRICT 2	63	81	-22.2%
DISTRICT 3	95	84	13.1%
DISTRICT 4	59	80	-26.3%
CITY-WIDE*	277	311	-10.9%



TRAFFIC DEATHS	Q1 2013	Q1 2012	% Change
CITY-WIDE*	3	4	-25.0%



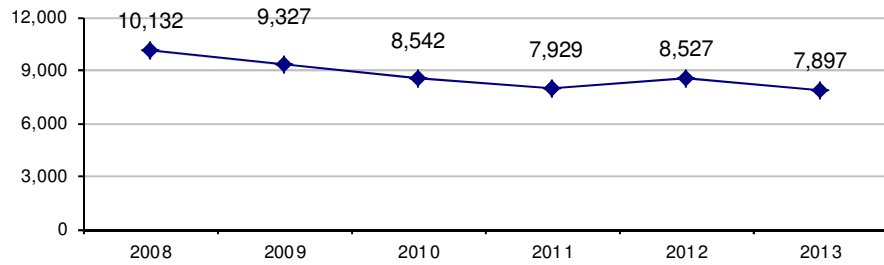
* City-wide totals include incidents coded as location unknown



TOTAL NUMBER OF INCIDENTS

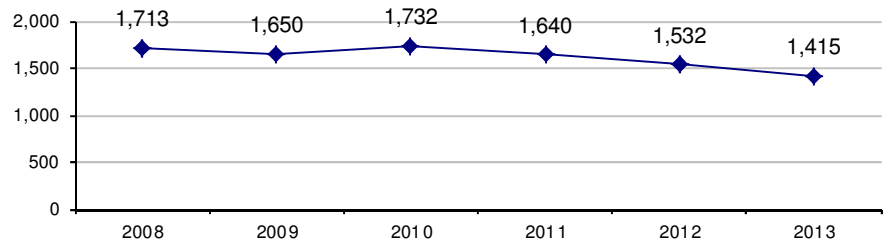
PROPERTY CRIME

1st Quarter



VIOLENT CRIME

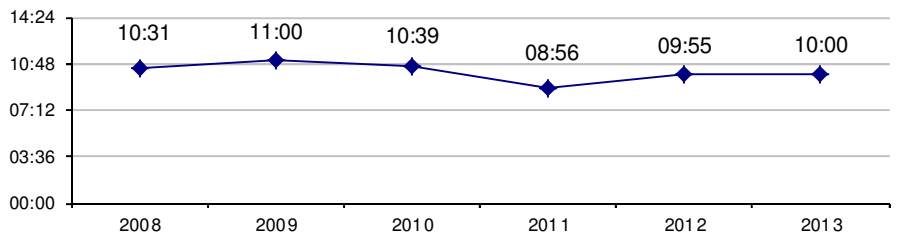
1st Quarter



RESPONSE TIMES

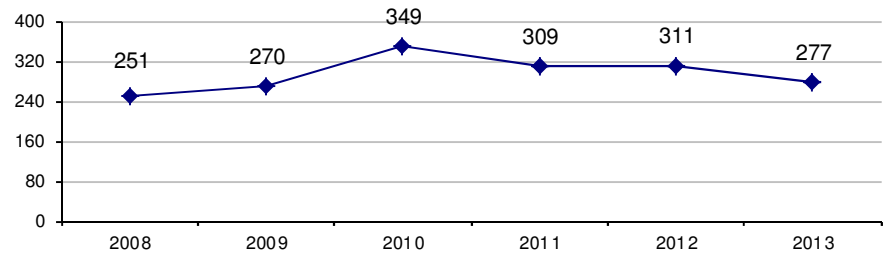
Minutes:Seconds

1st Quarter



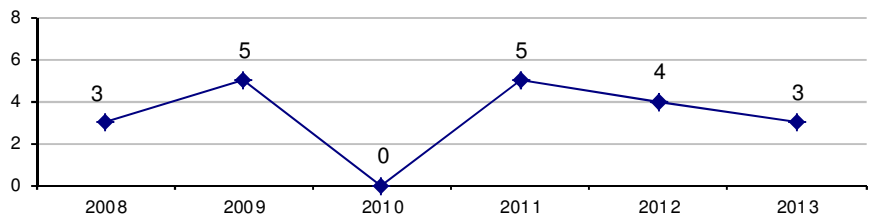
TRAFFIC INJURIES ATTENDED

1st Quarter



TRAFFIC DEATHS

1st Quarter



KEY PERFORMANCE INDICATORS

Q1 2013

Planning, Research & Audit Section

April 2013



VANCOUVER POLICE DEPARTMENT
Beyond the Call



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EXECUTIVE SUMMARY

Property Crime

In the first quarter of 2013, reported property crime decreased 3.4%, from 8,173 to 7,897 offences, when compared to the same quarter last year.

Violent Crime

The number of violent crimes decreased 7.6% from 1,532 to 1,415 offences when comparing the first quarter of 2012 and 2013.

Clearance Rates

In the first quarter of 2012 and 2013, 11.8% of property crimes were cleared by charge. However, there was an increase in property crime clearance rates when compared to quarter four of 2012 (10.9%).

In the first quarter of 2013, violent crime incidents cleared by charge increased from 37.7% in 2012 to 39.8%. The current quarter clearance rate is also up from last quarter which reported 36.8% of incidents cleared by charge.

Response Times

Vancouver's priority 1 response times in the first quarter of 2013 (10:00) was slower by 5 seconds (0.8%) when compared to the same quarter last year (9:55).

Traffic Attended Injuries & Deaths

The VPD attended fewer traffic injury calls in the first quarter of 2013 (277) when compared to the same quarter last year (311). This represents a 10.9% decrease in attended traffic injury calls.

The most recent ICBC data shows that reported injuries are up 2.7% from the fourth quarter of 2012 (9,204) compared to the final quarter of 2011 (8,784).

There were 3 traffic incidents that resulted in 3 fatalities in the first quarter of 2013 compared to 4 incidents that resulted in 4 fatalities in the first quarter of 2012.

Annual Citizen Satisfaction Levels

Citizen satisfaction survey results are reported annually. The 2012 results will be reported in the second quarter of the 2013 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 first quarter of 2013 (Q1 2013) and is compared to the same quarter the previous year (Q1 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;
- Traffic attended injuries, ICBC reported injuries, traffic deaths; and,
- Annual citizen satisfaction survey¹.






¹ This KPI will be reported annually in the second quarter of each year.



PROPERTY CRIME & CLEARANCE RATES

Table 1 shows the breakdown of property crime by District during the first quarter of 2012 and 2013. As shown, property crime has decreased 3.4% city-wide when comparing this quarter to the same quarter last year. District 3 was the only district to experience an increase in property crime (1.3%)

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

	Q1 2013	Annual Comparison	Q1 2012
District 1	2,173	 -9.0%	2,389
District 2	1,627	 -5.4%	1,719
District 3	1,861	 1.3%	1,838
District 4	2,161	 -2.3%	2,211
City-wide	7,897	 -3.4%	8,173



To account for seasonal changes, Table 2 shows the quarterly percentage change over the previous year as they relate to the number of reported property crimes.

Table 2: Recent Property Crime Trends

Quarter	# of Property Crimes	% Change From Same Quarter Previous Year
Q1 2012	8,173	3.1%
Q2 2012	8,527	5.8%
Q3 2012	8,924	-1.6%
Q4 2012	8,586	8.4%
Q1 2013	7,897	-3.4%

Table 3 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.

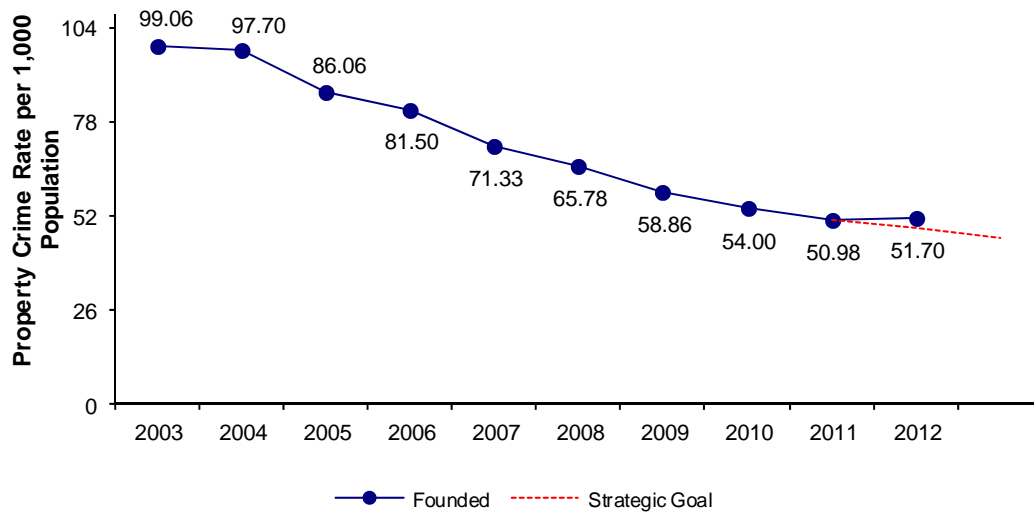
Table 3: Five Year Trend for Property Crime Rate per 1,000 Population

Property Crime	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 4 shows that in the first quarter of 2012 and 2013, 11.8% of property crimes were cleared by charge. There were more cleared by charge incidents this quarter when compared to last quarter (10.9%).

Table 4: Property Crime Clearance Rates






Clearance Type	Current (Q1 2013)	Last Year (Q1 2013)	Last Quarter (Q4 2012)
Unfounded	1.6%	1.4%	1.7%
Founded Not Cleared	81.2%	80.5%	82.3%
Charged	11.8%	11.8%	10.9%
Cleared by Other Means	5.4%	6.3%	5.2%



VIOLENT CRIME & CLEARANCE RATES

Table 5 shows the breakdown of violent crime by District comparing the first quarter of 2012 and 2013. City-wide, violent crime is down 7.6% when compared to the same period last year. District 3 is the only district to have experienced an increase in violent crime (6.7%).

Table 5: City-wide & District Annual Violent Crime Comparisons

	Q1 2013	Annual Comparison	Q1 2012
District 1	367	 -8.0%	399
District 2	563	 -14.4%	658
District 3	288	 6.7%	270
District 4	189	 -6.7%	202
City-wide	1,415	 -7.6%	1,532



To account for seasonal changes, Table 6 shows the quarterly percentage change over the previous year as they relate to the number of violent crimes reported city wide.

Table 6: Recent Violent Crime Trends

Quarter	# of Violent Crimes	% Change From Same Quarter Previous Year
Q1 2012	1,532	-6.6%
Q2 2012	1,671	-6.5%
Q3 2012	1,684	-1.6%
Q4 2012	1,388	-10.6%
Q1 2013	1,415	-7.6%

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 7).

Table 7: 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

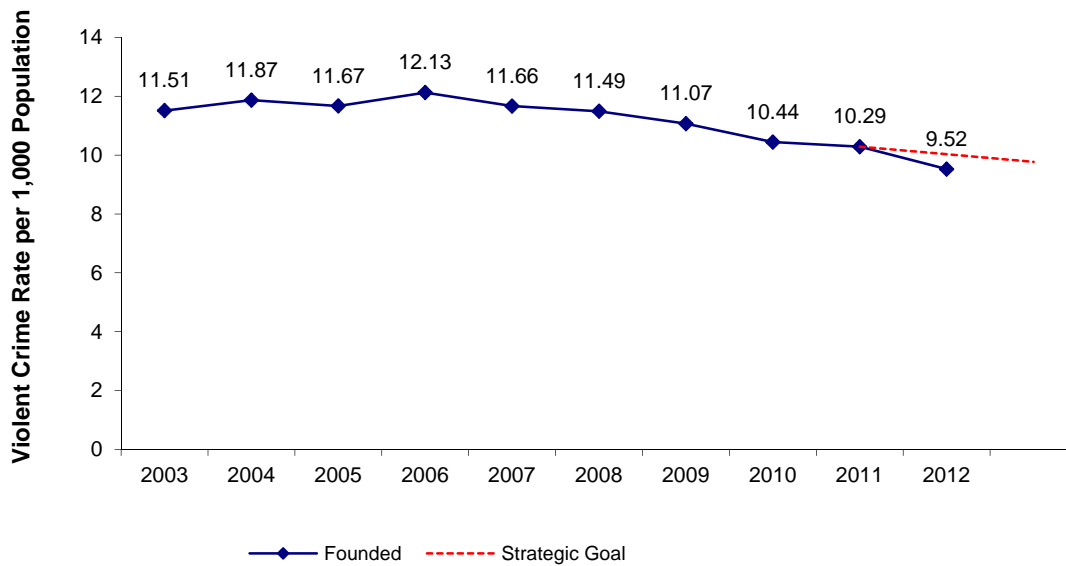


Table 8 shows that in the first quarter of 2013, violent crime incidents cleared by charge increased from 37.7% in 2012 to 39.8%. The current quarter clearance rate is up from last quarter which reported 36.8% of incidents cleared by charge.

Table 8: Violent Crime Clearance Rates






Clearance Type	Current (Q1 2013)	Last Year (Q1 2012)	Last Quarter (Q4 2012)
Unfounded	4.8%	5.8%	4.9%
Founded Not Cleared	44.5%	47.2%	48.1%
Charged	39.8%	37.7%	36.8%
Cleared by Other Means	10.9%	9.3%	10.1%



RESPONSE TIMES

Table 9 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 0.8% or 5 seconds. Of all districts, the fastest response was seen in D1 with an average response time of 8 minutes and 44 seconds. This is 1 minute and 15 seconds slower than the same time last year. At the same time, this is the only district that experienced an increase in response times when compared to the first quarter in 2012.

Table 9: City-wide & District Annual Response Time Comparisons

	Q1 2013	Annual Comparison	Q1 2012
District 1	08:44	 16.8%	07:29
District 2	09:45	 -4.1%	10:10
District 3	10:11	 -4.0%	10:36
District 4	11:24	 -2.3%	11:40
City-wide	10:00	 0.8%	09:55



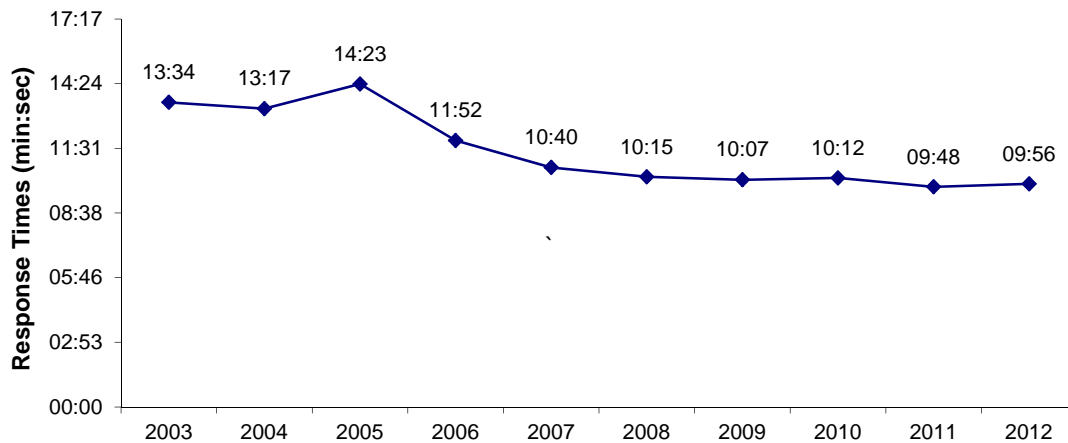
To account for seasonal changes, Table 10 shows the quarterly percentage change over the previous year as they relate to P1 response times.

Table 10: Recent Priority 1 Response Times

Quarter	Response Time	% Change From Same Quarter Previous Year
Q1 2012	09:55	11.1%
Q2 2012	09:40	-6.8%
Q3 2012	09:43	-0.3%
Q4 2012	10:26	2.8%
Q1 2013	10:00	2.3%

Figure 3 illustrates Priority 1 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





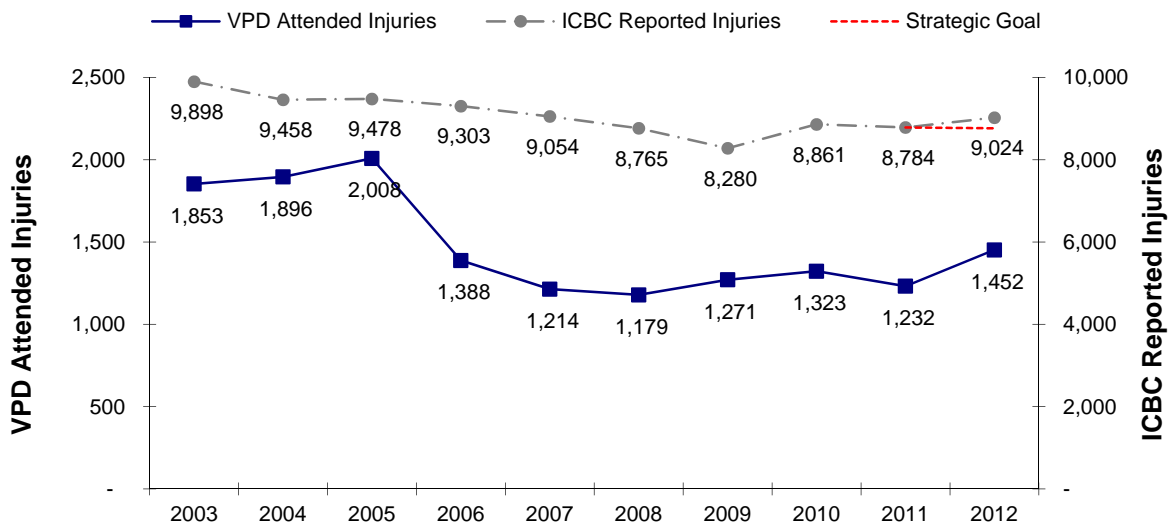
TRAFFIC RELATED INJURIES & DEATHS

ICBC reported traffic injuries versus VPD traffic injuries attended differ substantially. Data from ICBC speaks to the safety of the roads whereas data from the VPD is more reflective of workload. For example, if calls for service are lower than usual or officers have more proactive time, then officers have more time to attend a motor vehicle accident (MVA) where there is an injury. Conversely, if calls for service are higher and therefore proactive time is lower, officers will not be able to attend as many MVA-with-injury incidents.

Figure 4 depicts the number of ICBC² reported injuries and the number of traffic injury calls the VPD attended 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.

In 2012 (1,452), the VPD experienced an increase in traffic related attended injuries when compared to 2011 (1,232). This represents a 17.9% increase in traffic related injury calls. Over the past decade, the VPD has attended 21.6% fewer traffic related injury calls since 2003.

Figure 4: Motor Vehicle Accidents with Injuries



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



Table 11 shows the city of Vancouver experienced 2.7% more ICBC reported injuries in the final quarter of 2012 when compared to 2011.

Table 111: ICBC Reported Injuries






	2012	Annual Comparison	2011
Q1	2,229	 8.2%	2,061
Q2	2,204	 1.1%	2,180
Q3	2,116	 -0.3%	2,123
Q4	2,475	 2.3%	2,420
YTD	9,024	 2.7%	8,784



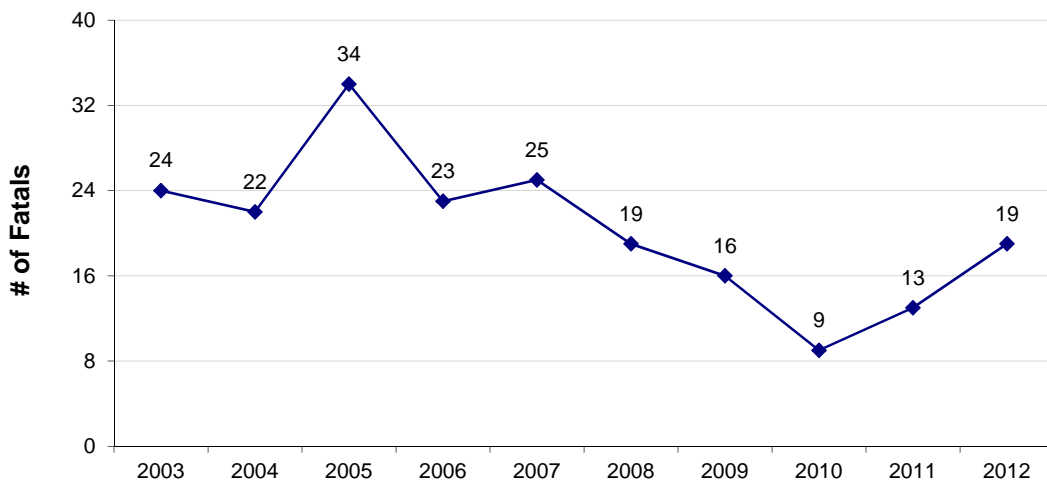
Table 12 compares the number of fatal traffic incidents and deaths over the past year by quarter³. Year to date there have been 3 traffic incidents resulting in 3 fatalities.

Table 12: Fatal Traffic Incidents

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

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

Figure 5: Fatalities Resulting in Motor Vehicle Incidents



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.



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.

Property crime includes the following offences:

- Break and Enter
- Theft of Motor Vehicle
- Thefts from Motor Vehicle over/under \$5,000
- Theft over/under \$5,000
- Have Stolen Goods
- Fraud
- Mischief

Violent crime includes the following offences:

- Culpable Homicide
- Attempted Murder
- Sex Offence
- Assault
- Robbery

⁴ BC Stats as of January 2013.



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.