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VANCOUVER POLICE DEPARTMENT

REPORT TO THE VANCOUVER POLICE BOARD

REPORT DATE: 2013-01-10
BOARD MEETING DATE: 2013-01-22
BOARD REPORT # 1301P02
Regular

TO: Vancouver Police Board
FROM: Drazen Manojlovic, Director, Planning, Research & Audit Section
SUBJECT: Q4 2012 Key Performance Indicator Report

BACKGROUND:

The Key Performance Indicator (KPI) report is produced quarterly. This report reviews property crime, violent, clearance rates, response times, 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 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 Q4 2012 KPI Report:

Property Crime

In the final quarter of 2012, reported property crime increased 8.5%, from 7,918 to 8,593 offences, when compared to the same quarter last year. Overall, property crime is up 3.7% in 2012 when compared to 2011.

Violent Crime

The number of violent crimes decreased 9.5% from 1,535 to 1,389 offences when comparing the fourth quarter of 2011 and 2012. Year-end figures show violent crime is down 5.3% in 2012 when compared to 2011.

Response Times

Vancouver's priority 1 response times in the fourth quarter of 2012 (10:26) were slower by 17 seconds (2.9%) when compared to the same quarter last year (10:09). Overall for 2012, response times were 8 seconds or 1.3% slower than response times in 2011.

Traffic Injuries & Deaths

The VPD attended 0.9% fewer traffic injury calls in the final quarter of 2012 (346) compared to the same quarter last year (349). Comparing 2012 year-end figures (1,452) to 2011 (1,232) shows that the VPD attended 17.9% more traffic injury calls for service.

The most recent ICBC data shows that reported injuries are down 1.9% from the third quarter in 2011 (2,123) compared to the third quarter of 2012 (2,082).

There were 2 traffic incidents that resulted in 2 fatalities in the final quarter of 2011 and 5 incidents that resulted in 6 fatalities in the last quarter of 2012. Overall, fatalities increased from 13 in 2011 to 19 in 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: Drazen Manojlovic Telephone: 604-717-2682 Date: Jan.10, 2013

Submitting Executive Member (signature):

_____ Date: _____



KEY PERFORMANCE INDICATORS - Q4 2012

PROPERTY CRIME	Q4 2012	Q4 2011	% Change
DISTRICT 1	2,219	2,186	1.5%
DISTRICT 2	1,773	1,707	3.9%
DISTRICT 3	1,846	1,688	9.4%
DISTRICT 4	2,691	2,324	15.8%
CITY-WIDE*	8,593	7,918	8.5%



8.5%

PROPERTY CLEARANCE TYPE	Q4 2012	Q4 2011	% Change
UNFOUNDED	1.7%	1.9%	-10.1%
FOUNDED NOT CLEARED	82.2%	80.1%	2.6%
CHARGED	10.9%	11.8%	-8.1%
CLEARED BY OTHER MEANS	5.3%	6.2%	-15.4%

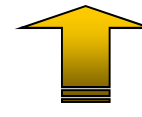
VIOLENT CRIME	Q4 2012	Q4 2011	% Change
DISTRICT 1	352	339	3.8%
DISTRICT 2	560	700	-20.0%
DISTRICT 3	298	308	-3.2%
DISTRICT 4	166	185	-10.3%
CITY-WIDE*	1,389	1,535	-9.5%



-9.5%

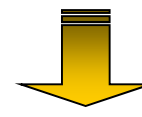
VIOLENT CLEARANCE TYPE	Q4 2012	Q4 2011	% Change
UNFOUNDED	4.9%	5.9%	-17.4%
FOUNDED NOT CLEARED	48.0%	47.8%	0.4%
CHARGED	36.7%	37.0%	-0.8%
CLEARED BY OTHER MEANS	10.4%	9.2%	12.2%

RESPONSE TIMES	Q4 2012	Q4 2011	% Change
DISTRICT 1	07:31	07:30	0.2%
DISTRICT 2	10:10	11:12	-9.3%
DISTRICT 3	11:29	10:45	7.0%
DISTRICT 4	11:01	10:30	5.0%
CITY-WIDE*	10:26	10:09	2.9%



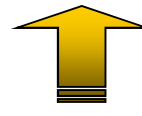
2.9%

TRAFFIC INJURIES ATTENDED	Q4 2012	Q4 2011	% Change
DISTRICT 1	61	63	-3.2%
DISTRICT 2	80	99	-19.2%
DISTRICT 3	91	97	-6.2%
DISTRICT 4	114	90	26.7%
CITY-WIDE*	346	349	-0.9%



-0.9%

TRAFFIC DEATHS	Q4 2012	Q4 2011	% Change
CITY-WIDE*	6	2	200.0%



200.0%

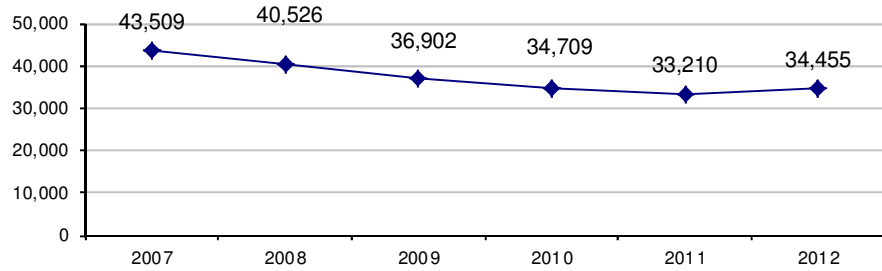
* City-wide totals include incidents coded as location unknown



TOTAL NUMBER OF INCIDENTS

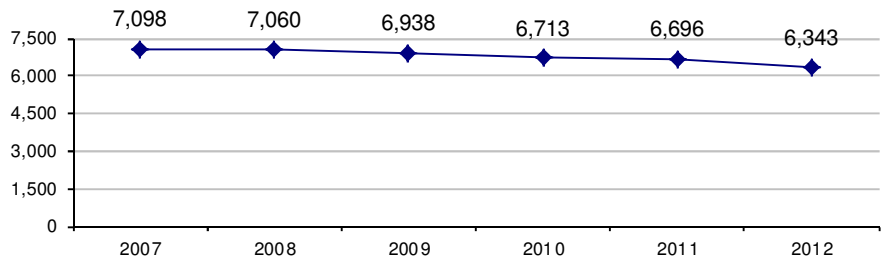
PROPERTY CRIME

YTD December 31st



VIOLENT CRIME

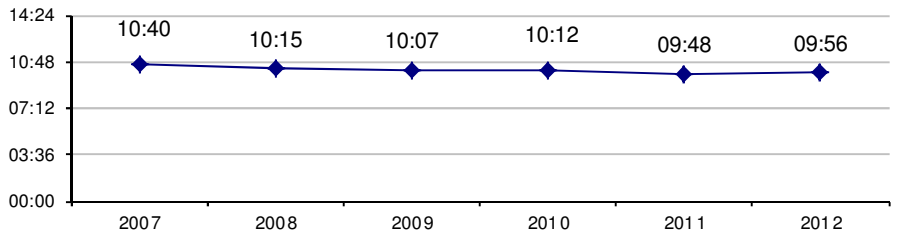
YTD December 31st



RESPONSE TIMES

Minutes:Seconds

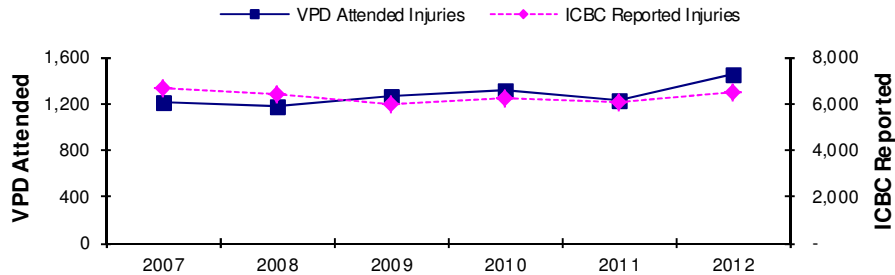
YTD December 31st



TRAFFIC INJURIES

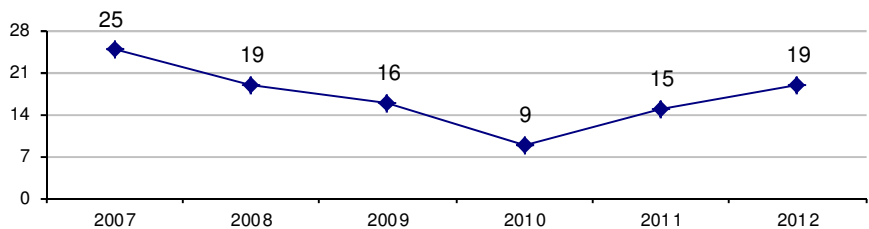
VPD ATTENDED
YTD December 31st

ICBC REPORTED
YTD September 30th



TRAFFIC DEATHS

YTD December 31st



KEY PERFORMANCE INDICATORS

Q4 2012

Planning, Research & Audit Section

January 2013



VANCOUVER POLICE DEPARTMENT
Beyond the Call



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EXECUTIVE SUMMARY

Property Crime

In the final quarter of 2012, reported property crime increased 8.5%, from 7,918 to 8,593 offences, when compared to the same quarter last year. Overall, property crime is up 3.7% in 2012 when compared to 2011.

Violent Crime

The number of violent crimes decreased 9.5% from 1,535 to 1,389 offences when comparing the fourth quarter of 2011 and 2012. Year-end figures show violent crime is down 5.3% in 2012 when compared to 2011.

Clearance Rates

In the fourth quarter of 2012, 10.9% of property crimes were cleared by charge. There were fewer incidents founded as cleared by charge this quarter than there were last year during the same quarter (11.8%) and slightly fewer cleared by charge when compared to last quarter (11.0%).

Violent crimes cleared by charge in the fourth quarter decreased from 37.0% in 2011 to 36.7% in 2012. The current quarter clearance rate is up slightly from last quarter which reported 35.1% of violent incidents cleared by charge.

Response Times

Vancouver's priority 1 response times in the fourth quarter of 2012 (10:26) were slower by 17 seconds (2.9%) when compared to the same quarter last year (10:09). Overall for 2012, response times were 8 seconds or 1.3% slower than response times in 2011.

Traffic Attended Injuries & Deaths

The VPD attended 0.9% fewer traffic injury calls in the final quarter of 2012 (346) compared to the same quarter last year (349). Comparing 2012 year-end figures (1,452) to 2011 (1,232) shows that the VPD attended 17.9% more traffic injury calls for service.

The most recent ICBC data shows that reported injuries are down 1.9% from the third quarter in 2011 (2,123) compared to the third quarter of 2012 (2,082).

There were 2 traffic incidents that resulted in 2 fatalities in the final quarter of 2011 and 5 incidents that resulted in 6 fatalities in the last quarter of 2012. Overall for 2012, fatalities increased from 13 in 2011 to 19 in 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 fourth quarter of 2012 (Q4 2012) and is compared to the same quarter the previous year (Q4 2011). 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 fourth quarter of 2011 and 2012. Overall, property crime has increased 8.5% city-wide when comparing this quarter to the same quarter last year. All districts experienced an increase in property crime.

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

	Q4 2012	Annual Comparison	Q4 2011
District 1	2,219	 1.5%	2,186
District 2	1,773	 7.6%	1,648
District 3	1,846	 9.4%	1,688
District 4	2,691	 15.8%	2,324
City-wide	8,593	 8.5%	7,918



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
Q4 2011	7,918	-4.5%
Q1 2012	8,173	3.1%
Q2 2012	8,527	5.8%
Q3 2012	8,924	-1.6%
Q4 2012	8,593	8.5%

Table 3 shows that property crime has decreased annually from 2008 to 2011. The city of Vancouver's property crime increased 2.1% in 2012. Overall, the five year trend shows the property crime rate has decreased 20.9% from 2008 to 2012.

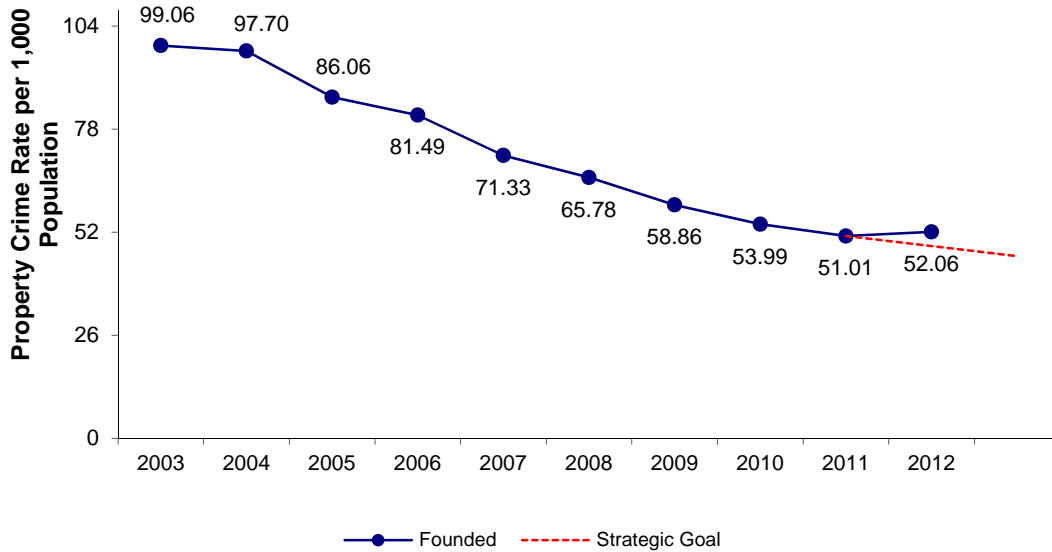
Table 3: Five Year Trend for Property Crime Rate per 1,000 Population

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	53.99	51.01	52.06	-10.5%	-8.3%	-5.5%	2.1%	-20.9%
B&E - Total	10.87	8.66	7.70	7.71	7.80	-20.4%	-11.1%	0.2%	1.1%	-28.3%
Business	3.66	3.01	2.60	2.64	2.72	-17.7%	-13.8%	1.8%	3.0%	-25.6%
Residence	5.90	4.49	4.13	4.18	4.04	-23.8%	-8.0%	1.2%	-3.5%	-31.5%
Other	1.31	1.15	0.97	0.88	1.04	-12.3%	-16.1%	-8.4%	17.2%	-21.1%
Theft of MV	4.04	3.05	2.38	1.76	1.82	-24.4%	-22.1%	-26.0%	3.1%	-55.0%
Theft from MV (<=>\$5K)	18.71	16.18	13.55	11.53	12.36	-13.5%	-16.3%	-14.9%	7.2%	-34.0%
Theft (<=> \$5K)	17.68	18.02	17.47	16.97	17.93	1.9%	-3.0%	-2.9%	5.7%	1.5%
Have Stolen Goods	1.84	1.88	1.52	1.57	1.70	2.1%	-19.3%	3.3%	8.8%	-7.4%
Fraud	3.21	3.52	3.94	3.62	3.42	9.5%	11.9%	-8.0%	-5.6%	6.5%
Arson	0.43	0.33	0.30	0.42	0.34	-24.8%	-6.5%	39.0%	-19.4%	-21.2%
Mischief (<=> \$5K)	9.00	7.23	7.14	7.43	6.69	-19.7%	-1.2%	4.0%	-9.9%	-25.7%



The property crime rate experienced eight consecutive annual decreases from 2003 to 2011. Unfortunately, crime rate increased from 51.01 crimes per 1,000 population in 2011 to 52.06 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 fourth quarter of 2012, 10.9% of property crimes were cleared by charge. There were fewer incidents founded as cleared by charge this quarter than there were last year during the same quarter (11.8%) and slightly fewer cleared by charge when compared to last quarter (11.0%).

Table 4: Property Crime Clearance Rates






Clearance Type	Current (Q4 2012)	Last Year (Q4 2011)	Last Quarter (Q3 2012)
Unfounded	1.7%	1.9%	2.0%
Founded Not Cleared	82.2%	80.1%	81.9%
Charged	10.9%	11.8%	11.0%
Cleared by Other Means	5.3%	6.2%	5.0%



VIOLENT CRIME & CLEARANCE RATES

Table 5 shows the breakdown of violent crime by District during the fourth quarter of 2011 and 2012. City-wide, violent crime is down 9.5% when compared to the same time last year. District 2 experienced the largest decrease in violent crime (20.0%) while District 1 was the only district to experience an increase in violent crime (3.8%).

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

	Q4 2012	Annual Comparison	Q4 2011
District 1	352	 3.8%	339
District 2	560	 -20.0%	700
District 3	298	 -3.2%	308
District 4	166	 -10.3%	185
City-wide	1,389	 -9.5%	1,535



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

Table 6: Recent Violent Crime Trends

Quarter	# of Violent Crimes	% Change From Same Quarter Previous Year
Q4 2011	1,535	-4.7%
Q1 2012	1,532	-6.6%
Q2 2012	1,671	-6.5%
Q3 2012	1,684	-1.6%
Q4 2012	1,389	-9.5%

Examining a five year trend for violent crime shows this crime category has decreased 16.6%. Sexual Offences (1.5%) is the only violent crime that has not decreased over this time 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	9.58	-3.7%	-5.6%	-1.4%	-6.9%	-16.6%
Culpable Homicide	0.03	0.03	0.01	0.02	0.01	-2.0%	-51.1%	64.5%	-41.0%	-53.5%
Attempted Murder	0.03	0.03	0.02	0.02	0.03	-16.0%	-45.7%	28.3%	58.9%	-6.9%
Sexual Offences	0.73	0.81	0.87	0.78	0.74	11.3%	7.2%	-9.9%	-5.5%	1.5%
Assaults	8.20	8.12	7.87	7.85	7.24	-1.1%	-3.0%	-0.3%	-7.8%	-11.8%
Robbery	2.49	2.08	1.67	1.62	1.56	-16.5%	-19.7%	-3.3%	-3.4%	-37.4%



Figure 2 shows the violent crime rate has declined six consecutive years from 12.13 crimes per 1,000 population in 2006 to 9.58 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

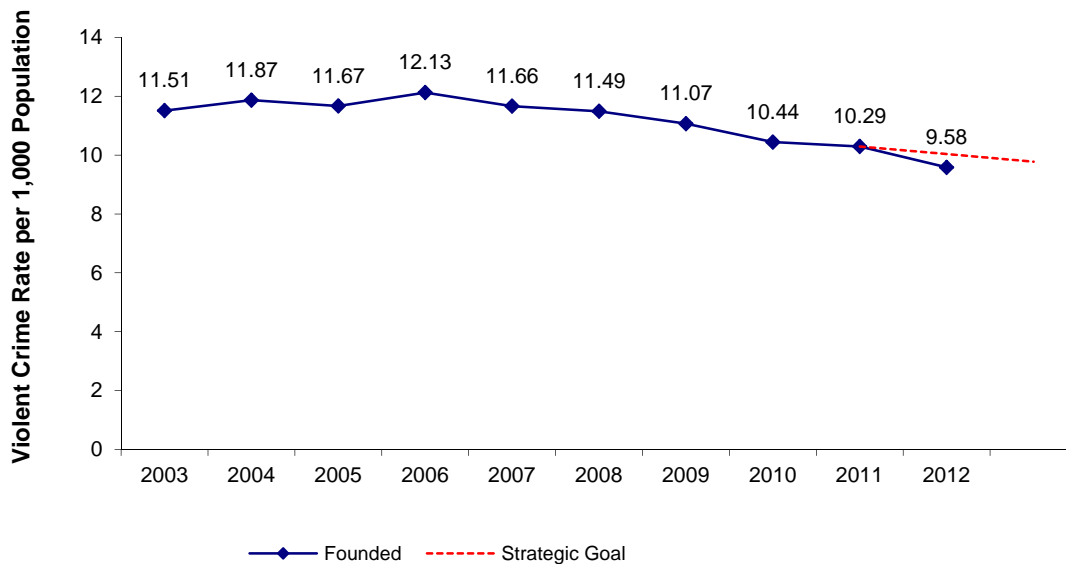


Table 8 shows violent crimes cleared by charge in the fourth quarter decreased from 37.0% in 2011 to 36.7% in 2012. The current quarter clearance rate is up from last quarter which reported 35.1% of violent incidents cleared by charge.

Table 8: Violent Crime Clearance Rates






Clearance Type	Current (Q4 2012)	Last Year (Q4 2011)	Last Quarter (Q3 2012)
Unfounded	4.9%	5.9%	5.8%
Founded Not Cleared	48.0%	47.8%	48.3%
Charged	36.7%	37.0%	35.1%
Cleared by Other Means	10.4%	9.2%	10.9%



RESPONSE TIMES

Table 9 shows Priority 1 (P1) response times by District and shows the percentage change from this quarter to the same quarter last year. Overall, city-wide P1 response times were slower by 2.9% or 17 seconds. Of all districts, the fastest response was seen in D1 with an average response time of 7 minutes and 31 seconds. This is 1 second slower than the same time last year. District 2 was the only district that showed a faster response in 2012 (10:10) than in 2011 (11:12). District 3 experienced the highest increase in response times when comparing 2011 (10:45) to 2012 (11:29) a difference of 7.0%.

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

	Q4 2012	Annual Comparison	Q4 2011
District 1	07:31	 0.2%	07:30
District 2	10:10	 -9.3%	11:12
District 3	11:29	 7.0%	10:45
District 4	11:01	 5.0%	10:30
City-wide	10:26	 2.9%	10:09



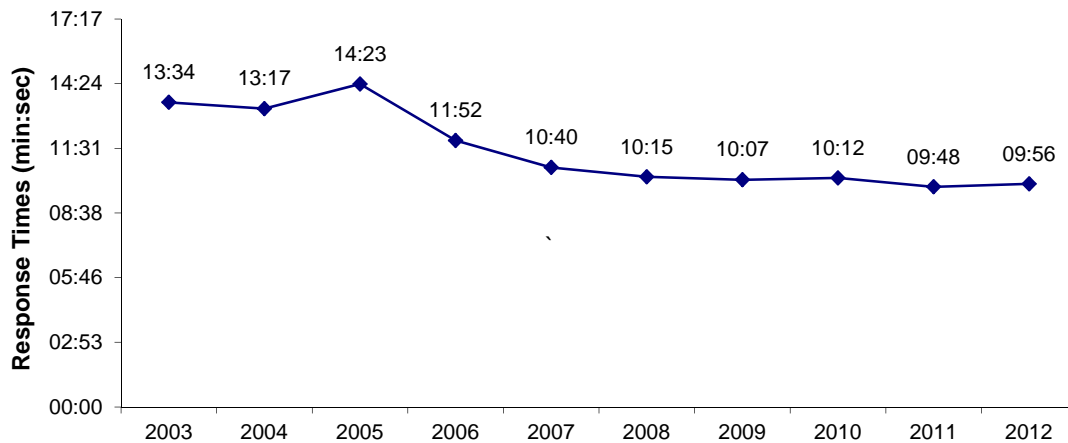
To account for seasonal changes, Table 10 shows the quarterly percentage change over the previous year as they relate to P1 response times.

Table 10: Recent Priority 1 Response Times

Quarter	Response Time	% Change From Same Quarter Previous Year
Q4 2011	10:09	5.1%
Q1 2012	09:46	9.4%
Q2 2012	09:40	-6.8%
Q3 2012	09:43	-0.3%
Q4 2012	10:26	2.9%

Figure 3 illustrates Priority 1 response times by year. The 2012 P1 response time (9:56) was slower by 8 seconds city-wide 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





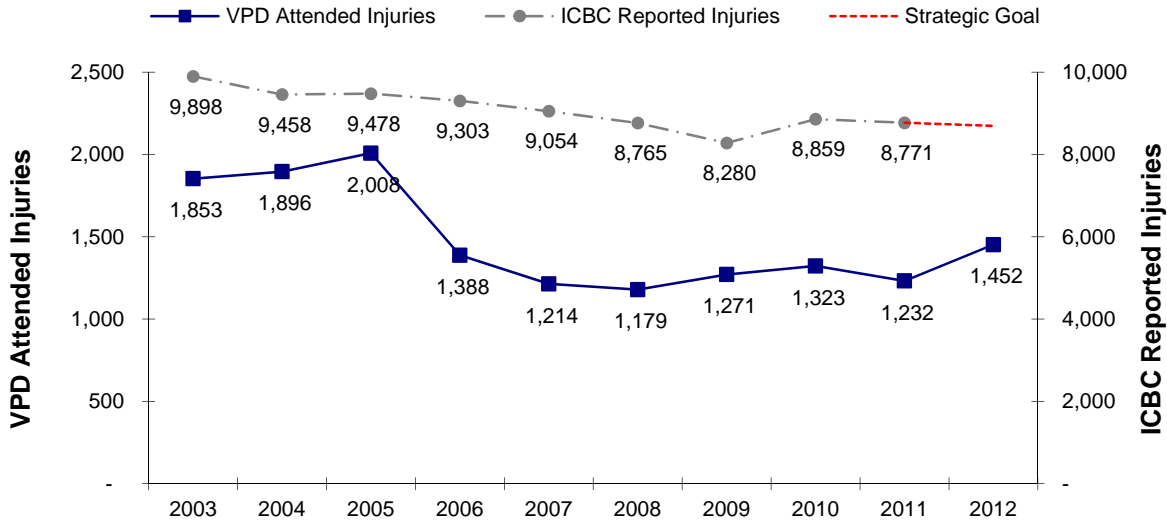
TRAFFIC RELATED INJURIES & DEATHS

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, then 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 2002 to 2012. ICBC reported four consecutive decreases in reported injuries from 2004 (9,478) to 2009 (8,280) before experiencing a 2.2% increase in 2010 (8,846) and a 1.1% decrease in 2011 (8,748). Overall, ICBC reported a 16.2% reduction in reported injuries from 2002 to 2011. The dashed line represents the motor vehicle collisions that result in injury or death reduction goal set in the 2012-2016 Strategic Plan.

In 2012 (1,452), the VPD experienced an increase in traffic related attended injuries when compared to 2011 (1,232). This is the highest reported figure since 2005 (2,008). Overall, this is a 17.9% increase in traffic related injury calls since 2011.

Figure 4: Motor Vehicle Accidents with Injuries



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



Table 11 shows the city of Vancouver experienced 1.9% fewer ICBC reported injuries in the third quarter of 2012 when compared to the same quarter last year. Overall, the year to date figure shows reported injuries are up 2.2% when compared to the same time last year.

Table 111: ICBC Reported Injuries





	2012	Annual Comparison	2011
Q1	2,222	 8.0%	2,057
Q2	2,192	 0.7%	2,177
Q3	2,082	 -1.9%	2,123
YTD	6,496	 2.2%	6,357



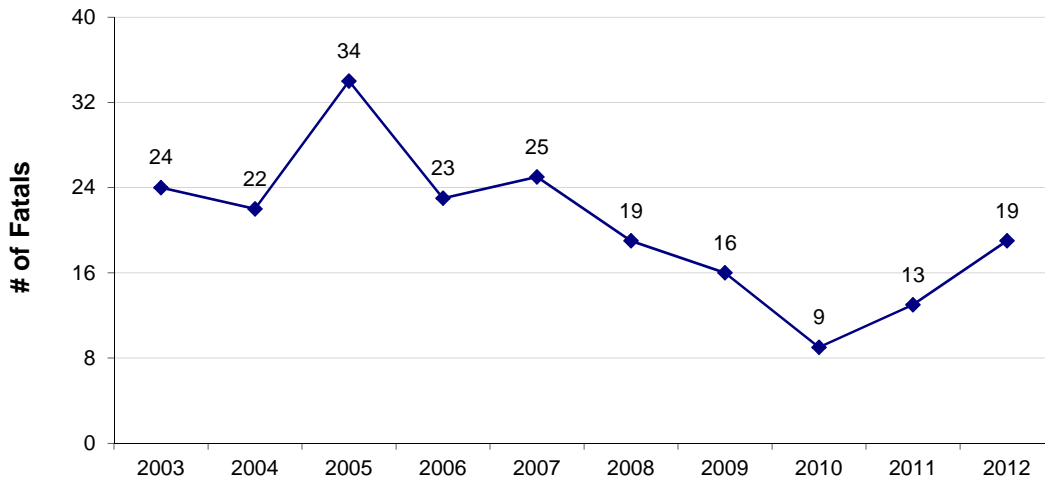
Table 12 compares the number of fatal traffic incidents and deaths over the past year by quarter³. Year to date there have been 17 traffic incidents resulting in 19 fatalities.

Table 12: Fatal Traffic Incidents

Quarter	# of Incidents	# of Deaths	Quarter	# of Incidents	# of Deaths
Q4 2011	2	2	Q4 2010	2	2
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

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 2011 population to be 651,048⁴. A five-year estimate was calculated to project the 2012 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 April 2, 2012.



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.