



EDMONTON POLICE SERVICE



REPORT TO THE EDMONTON POLICE COMMISSION

DATE: 2012 Jan 25

SUBJECT: Quarterly Reporting of EPS Clearance Rates: 2011 Third Quarter

RECOMMENDATION:

That this report be received for information.

INTRODUCTION:

This report will update the Edmonton Police Commission on the 2011 Third Quarter Edmonton Police Service Weighted Clearance Rates.

BACKGROUND:

The EPC has asked for reporting of the EPS clearance rates, separate from the quarterly reporting of the annual policing plan.

1. EPS Clearance Rate Reporting is based on the standards that are consistent with the Centre for Criminal Justice Statistics (CCJS).
2. To ensure appropriate clearance rate accuracy, the reporting is based on a three month time lag. The attached report is based on 2011 Third Quarter (inclusive) Results.

COMMENTS/DISCUSSION:

The performance measure for EPS clearance rates is documented in the 2011 Annual Policing Plan Initiative #2, which calls for a 5% increase in EPS clearance rates in 2011 over 2010. The results for the first three quarters (inclusive) of 2011 are:

- All Crime: 41.1% weighted clearance rate for 2011, up from 37.3% for the first three quarters of 2010.

41.1%, expressed as a percent increase over 37.3% is an increase of +10.2%

- Violent Crime: 50.1% weighted clearance rate for 2011, which matches the same result for the first three quarters of 2010.
- Non-Violent Crime: 36.4% weighted clearance rate, up from 32.2% for the first three quarters of 2010.

CONCLUSION:

To show the increase in percent over the previous year base line, we use the calculation:


- Current year – previous year / previous year X 100. This calculation is consistent with that used by CCJS for percent increase over the previous year.
- For the 'all crime' category, this translates as:
 - 41.1 minus 37.3 = 3.8
 - 3.8 divided by 37.3 = .1018
 - .1018 multiplied by 100 (to reflect percentage) = 10.2%

In relation to the 'all crime' category, the EPS is meeting and exceeding its performance objective for a 5% increase in clearance rates.

ADDITIONAL INFORMATION ATTACHED:

- Attachment 1 – Weighted Clearance Rate Report dated 19 Jan 2012.

Written by: John Warden, Manager, Business Performance Section 
 Reviewed By: Brian Roberts, Executive Director, Office of Strategy Management
 Division 
 Approved by: Rod Knecht, Chief of Police

A/Chief of Police: 

Date: 26 JAN 2012



Weighted Clearance Rate UCR Violations

Report Source: EPROS Activity -
Current
Run by: John Warden

Division: City Wide
District: All Districts
Neighbourhood: All Neighbourhoods
Quarter Selection: Q1, Q2, Q3

Information as at Date:
19 Jan 2012 23:59

	2007	2008	2009	2010	2011
All Crime	<u>27.1%</u>	<u>29.1%</u>	<u>31.6%</u>	<u>37.3%</u>	<u>41.1%</u>
Violent Crime	<u>34.3%</u>	<u>35.1%</u>	<u>45.5%</u>	<u>50.1%</u>	<u>50.1%</u>
Non-Violent Crime	<u>24.4%</u>	<u>26.5%</u>	<u>26.0%</u>	<u>32.2%</u>	<u>36.4%</u>

Clearance rates are one measure of police performance. A criminal incident is said to be cleared by the laying of a charge or by other means (e.g., through extrajudicial measures). The clearance rate represents the proportion of all crimes that were successfully cleared. The weighted clearance rate was developed by the Canadian Centre for Justice Statistics to provide a more meaningful picture of crime solved by police services. The weighted clearance rate assigns values to crimes according to their seriousness with more serious crimes being given a higher weight. Since the process of solving crime is often time-consuming, a criminal incident may be solved months or even years after it was reported to police.

Calculations:

Violent Crime - is calculated based on the 1st most serious violation attached to each victim record. Where a victim was not recorded then the count is based on the 1st most serious UCR violation per incident.

$CSI = (\# \text{ Violations} * \text{Weight}) / (\text{Population}) / \text{Weighted rate} * 100$

$WCR = \text{total} (\# \text{ Cleared Violations} * \text{Weight}) / \text{total} (\# \text{ Violations} * \text{Weight}) * 100$

Weighted rate for All Crime is equal to 5.5544, for Violent Crime is equal to 1.5425, and for Non-Violent Crime is equal to 4.0118.