



EDMONTON POLICE SERVICE

REPORT TO THE EDMONTON POLICE COMMISSION

DATE: November 2, 2012

SUBJECT: Quarterly Reporting of EPS Clearance Rates: 2012 Second Quarter (YTD)

RECOMMENDATION:

That this report be received for information.

INTRODUCTION:

This report will inform the Edmonton Police Commission (EPC) of weighted clearance rates for the second quarter of 2012 for the Edmonton Police Service.

BACKGROUND:

The EPC has requested that EPS report clearance rates quarterly and annually as part of the annual policing plan.

EPS clearance rates are reported based on standards consistent with the Centre for Criminal Justice Statistics (CCJS). To ensure appropriate clearance rate accuracy, reporting is based on a three month time lag. This report is based on 2012 second quarter results year to date (YTD).

The performance measure for EPS clearance rates is defined in the 2012 Annual Policing Plan Initiative #2, which calls for a 4% increase in EPS clearance rates in 2012 over 2011.

The following method is used to calculate the percent change over the previous year and is consistent that used by CCJS.

- $(2012 \text{ clearance rate} - 2011 \text{ clearance rate}) / 2011 \text{ clearance rate} \times 100$
- $(42.2 - 41.7) / 41.7 \times 100 = 1.2\%$

CONCLUSION:

The weighted clearance rate for the second quarter 2012 YTD is **42.2%**, an increase of **1.2%** from the weighted clearance rate of 41.7% reported for the second quarter 2011 YTD.

For the second quarter of 2012, the EPS is not meeting its performance objective for a 4% increase in clearance rates.

ADDITIONAL INFORMATION ATTACHED:

- Attachment 1 – Crime Severity Index and Weighted Clearance Rate Report dated 2012 November 01

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Reviewed By: Brian Roberts, Executive Director, Office of Strategy Management Division

Approved by: Rod Knecht, Chief of Police

Chief of Police: _____

Date: _____

2012.11.28



Crime Severity Index UCR Violations

Report Source: EPROS Activity -
Current
Run by: Wojciech Kujawa

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

Information as at Date:
1 Nov 2012 23:59

	2008	2009	2010	2011	2012
All Crime	<u>66.5</u>	<u>64.0</u>	<u>54.6</u>	<u>47.4</u>	<u>44.5</u>
Violent Crime	<u>79.7</u>	<u>77.5</u>	<u>65.5</u>	<u>66.9</u>	<u>59.0</u>
Non-Violent Crime	<u>64.4</u>	<u>61.9</u>	<u>53.2</u>	<u>42.1</u>	<u>41.3</u>

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.



Weighted Clearance Rate UCR Violations

Report Source: EPROS Activity -
Current

Run by: Wojciech Kujawa

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

Information as at Date:
1 Nov 2012 23:59

	2008	2009	2010	2011	2012
All Crime	<u>29.7%</u>	<u>31.9%</u>	<u>38.3%</u>	<u>41.7%</u>	<u>42.2%</u>
Violent Crime	<u>35.2%</u>	<u>42.7%</u>	<u>49.5%</u>	<u>48.3%</u>	<u>50.3%</u>
Non-Violent Crime	<u>27.4%</u>	<u>27.2%</u>	<u>33.6%</u>	<u>38.0%</u>	<u>38.2%</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.