



# EDMONTON POLICE SERVICE



## REPORT TO THE EDMONTON POLICE COMMISSION

DATE: 2012 June 25

SUBJECT: Quarterly Reporting of EPS Clearance Rates: 2012 First Quarter

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### RECOMMENDATION:

That this report be received for information.

### INTRODUCTION:

This report will update the Edmonton Police Commission (EPC) on Weighted Clearance Rates for the first quarter of 2012 for Edmonton Police Service.

### BACKGROUND:

The EPC has requested to report EPS clearance rates quarterly and yearly as part 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 2012 first quarter results.

### COMMENTS/DISCUSSION:

The performance measure for EPS clearance rates is documented in the 2012 Annual Policing Plan Initiative #2, which calls for a 4% increase in EPS clearance rates in 2012 over 2011. The results for the 2012, first quarter are:

- 45.8% weighted clearance rate for the first quarter 2012, up from 43.4% for first quarter 2011.

**CONCLUSION:**

**45.8%, expressed as a percent increase over 43.4% is an increase of +5.53%.**

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 this report, this translates as:
  - 45.8 minus 43.4 = 2.4
  - 2.4 divided by 43.4 = .055
  - .055 multiplied by 100 (to reflect percentage) = 5.53%

For the first quarter of 2012, the EPS is meeting and exceeding its performance objective for a 4% increase in clearance rates.

**ADDITIONAL INFORMATION ATTACHED:**

- Attachment 1 – Weighted Clearance Rate Report dated June 25th 2012.

**Written by:** Wojciech Kujawa, Acting Manager, Business Performance Section

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

**Approved by:** Rod Knecht, Chief of Police

**Chief of Police:** \_\_\_\_\_

**Date:** \_\_\_\_\_

2012.07.12



## 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

Information as at Date:  
25 Jun 2012 23:59

	2008	2009	2010	2011	2012
All Crime	<u>31.3</u>	<u>29.8</u>	<u>26.8</u>	<u>22.1</u>	<u>20.2</u>
Violent Crime	<u>36.2</u>	<u>35.7</u>	<u>31.0</u>	<u>32.9</u>	<u>27.6</u>
Non-Violent Crime	<u>30.7</u>	<u>29.0</u>	<u>26.3</u>	<u>18.9</u>	<u>18.4</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

Information as at Date:  
25 Jun 2012 23:59

	2008	2009	2010	2011	2012
All Crime	<u>28.7%</u>	<u>31.9%</u>	<u>36.4%</u>	<u>43.4%</u>	<u>45.8%</u>
Violent Crime	<u>32.2%</u>	<u>41.2%</u>	<u>45.5%</u>	<u>47.9%</u>	<u>51.1%</u>
Non-Violent Crime	<u>27.3%</u>	<u>28.0%</u>	<u>32.6%</u>	<u>40.5%</u>	<u>43.0%</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.