Example Calculation Sheet – Police Funding Model

## *Scenario: If province were to distribute 10% of the costs of frontline policing = $23.25M*

**BASE MODEL**

Muni population x $23.25M x 50% = **Weighted population cost**
Total population

Municipal equalized assessment x $23.25M x 50% = **Weighted equalized assessment cost**
Total equalized assessment

**Weighted equalized assessment cost + weighted population cost** **=** TOTAL SHARE POLICING COST

**MODIFIERS (Subsidies)**

Crime Severity Index (CSI)

Muni CSI 3 year average - Total CSI average = **Muni CSI points above average**

**Muni CSI points above average** x 0.05% (subsidy per muni CSI point > average) = **CSI % subsidy**

**CSI % subsidy** x TOTAL SHARE POLICING COST = CSI DOLLAR SUBSIDY

Shadow Population

Muni shadow population = **Shadow pop % subsidy (max 5%)**
Muni population

**Shadow pop % subsidy x** TOTAL SHARE POLICING COST = SHADOW POPULATION DOLLAR SUBSIDY

Detachment

No detachment in community = **Base Cost x subsidy (5%) =** DETACHMENT DOLLAR SUBSIDY

## **YEARLY COST TO MUNICIPALITY**

## = TOTAL SHARE POLICING COST - CSI DOLLAR SUBSIDY - SHADOW POP DOLLAR SUBSIDY - DETACHMENT DOLLAR SUBSIDY

## **Municipality A: Large specialized municipality**

|  |  |  |
| --- | --- | --- |
| Weighted population cost | $547,595 | = 36,072 x 23.25M x 50%765,780 |
| Weighted equalized assessment cost | $1,738,859 | = 42,670,899,320 x 23.25M x 50% 285,272,766,093 |
| TOTAL SHARE POLICING COST | $2,286,454 | = 547,595 + 1,738,859 |
| Muni CSI points above avg | 349.96 | = 465.21 (muni) – 115.25 (prov) |
| CSI % subsidy | 17.5% | = 349.96 x 0.0005 |
| CSI DOLLAR SUBSIDY | $400,087\* | = 17.5% x 2,286,454 (\*rounding difference) |
| Shadow pop % subsidy | 4.6% | = 33,119 = 1.001 (max 0.05)  36,072 |
| SHADOW POP DOLLAR SUBSIDY | $104,964 | = 5% x 2,286,454 |
| NO DETACHMENT SUBSIDY | $0 | = 0 |
| **YEARLY COST TO MUNICIPALITY** | **$1,781,403** | = 2,286,454 - 400,087 - 104,964 |

## **Municipality B: Mid-sized municipal district**

|  |  |  |
| --- | --- | --- |
| Weighted population cost | $119,456 | = 7,869 x 23.25M x 50%765,780 |
| Weighted equalized assessment cost | $83,317 | = 2,044,554,084 x 23.25M x 50% 258,272,776,093 |
| TOTAL SHARE POLICING COST | $202,773 | = 119,456 + 83,317 |
| Muni CSI points above avg | 0 | = 76.35 (muni) – 115.25 (prov) |
| CSI % subsidy | 0% | = 0 x 0.0005 |
| CSI DOLLAR SUBSIDY | $0 | = 0% x 202,773 |
| Shadow pop % subsidy | 0% | = none reported |
| SHADOW POP DOLLAR SUBSIDY | $0 | = 0% x 202,773 |
| NO DETACHMENT SUBSIDY | $0 | = 0 |
| **YEARLY COST TO MUNICIPALITY** | **$202,773** | = 202,773 - 0 - 0 |

## **Municipality C: Small summer village**

|  |  |  |
| --- | --- | --- |
| Weighted population cost | $1,108 | = 73 x 23.25M x 50%765,780 |
| Weighted equalized assessment cost | $656 | = 16,108,372 x 23.25M x 50% 285,272,776,093 |
| TOTAL SHARE POLICING COST | $1,765 | = 1108 + 656 |
| Muni CSI points above avg | 59.30 | = 174.55 (muni) – 115.25 (prov) |
| CSI % subsidy | 3% | = 59.30 x 0.0005 |
| CSI DOLLAR SUBSIDY | $52\* | = 3% x 1,765 (\*rounding difference) |
| Shadow pop % subsidy | 0% | = none reported |
| SHADOW POP DOLLAR SUBSIDY | $0 | = 0% x 1,765 |
| DETACHMENT SUBSIDY | $88 | = no detachment = 5% x 1,765 |
| **YEARLY COST TO MUNICIPALITY** | **$1,625** | = 1,176 - 52 - 88 |