

Secured by Design



Carbon Reduction and Cost Efficiency Saving Model



IMPORTANT INFORMATION

Please read before completing:



This model has been developed to help police forces calculate the Carbon Cost and Cost Efficiency Savings that can be gained from incorporating the principles of Secured by Design as part of a range of preventive activities.

In doing so the model recognises that reductions in crime occur not only because of good design but also because of the mix of preventive measures by operational policing teams, partners and the community themselves that are often present, all working seamlessly to bring about sustainable reductions in crime.

Users of the model need no specialist computer skills other than the ability to source data and input it into the correct cells

The model has been set up so that users can only enter data into white cells so no damage can be done to the model by the user through entering data into calculation areas of the model.

Instructions for using the model are contained within relevant cells which are hidden until you need to view.

To read the instructions simply move the cursor over the appropriate cell or label and the instruction will appear. Further use of the model simply requires keying over data that has been previously input as required.

Data cannot be saved in the PDF format. Following input of data, print pages 4 and 5 for your records alternatively you can copy & paste the results using Ctrl Print screen function on your keyboard and paste the results into a word document or similar.

Base Data: Home Office and Police Cost of Crime



For Police Activity Based Cost figures use the Home Office or the Local Force 2007 Activity Based Analysis results, if these are not available then the Northamptonshire Police ABC figures listed below could be used

Home Office Community Cost of Crime

	Burglary Dwellings	Theft of Motor Vehicles	Theft from Motor Vehicles
2003/2004	£3,267	£4,137	£858
2004/2005	£3,363	£4,259	£883
2005/2006	£3,462	£4,384	£909
2006/2007	£3,564	£4,513	£936
2007/2008	£3,668	£4,645	£963
2008/2009	£3,776	£4,782	£992
2009/2010	£3,887	£4,923	£1,021

Home Office Police Activity Based Cost of Crime

	Burglary Dwellings	Theft of Motor Vehicles	Theft from Motor Vehicles
2003/2004	£576	£81	£31
2004/2005	£593	£83	£32
2005/2006	£610	£86	£33
2006/2007	£628	£88	£34
2007/2008	£647	£91	£35
2008/2009	£666	£94	£36
2009/2010	£685	£96	£37

Northamptonshire Police Activity Based Costing for Police Cost of Crime

	Burglary Dwellings	Theft of Motor Vehicles	Theft from Motor Vehicles
2003/2004	£1,004	£627	£627
2004/2005	£1,034	£646	£646
2005/2006	£1,065	£665	£664
2006/2007	£1,098	£685	£685
2007/2008	£1,131	£706	£706
2008/2009	£1,164	£727	£727
2009/2010	£1,198	£748	£748

Carbon Reduction and Cost Efficiency Saving Model



Developed by Northamptonshire Police
and ACPO Secured by Design

Model Set Up

All percentages below MUST add up to 100%

SBD Principles Contribution %

Crime Prev Contribution %

Other Policing Contribution %

Other Contribution %

Base Data

total %

Carbon Cost of Crime Data		Police Time	Home Office and Police Cost of Crime	
Type of Crime	Carbon Cost per Crime (tonnes)	Average Time per Crime	Home Office Community Cost	Police Activity Based Cost
Burglary Dwelling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Theft of Motor Vehicle	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Theft from Motor Vehicle	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Crime Data Input		Crime Types		
Pre - Event / Post - Event Analysis Data		Burglary Dwelling	Theft From Motor Vehicles	Theft of Motor Vehicles
Pre Event	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Post Event	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Reduction	Totals	<input type="text"/>	<input type="text"/>	<input type="text"/>

Carbon Reduction and Cost Efficiency Saving Model



Results

	Cost / Efficiency / Time Savings Results			
Type of Crime	Carbon Savings (tonnes)	Police Efficiency Savings (hours)	BCS Overall Community Savings	Cost Saving of Police Activity (ABC based)
Burglary Dwelling				
Theft of Motor Vehicle				
Theft from Motor Vehicle				
Totals				

	Contribution Analysis			
Type of Crime	Secured by Design Principles	Crime Prevention Initiatives	NPT / Policing Operations	Partner/Community Actions
Burglary Dwelling				
Theft of Motor Vehicle				
Theft from Motor Vehicle				
Totals				