

Nottinghamshire Police and Crime Commissioner

Notice of Decision



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| Author: | Dan Howitt |
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| For Decision or Information | Decision |
| Date received*: | 24.03.21 |
| Ref*: | 2021.039 |

*to be inserted by Office of PCC

TITLE: CREST Demand Modelling Tool and Thematic Deep Dive Analyses

EXECUTIVE SUMMARY:

Development of a bespoke demand modelling tool for Nottinghamshire Police including routine management and administration of the product and two thematic 'deep dive' analyses. Includes training, licencing to enable independent in-house management of the product following the two year developmental period.

INFORMATION IN SUPPORT OF DECISION: (e.g report or business case)

Nottinghamshire Police is required by HMICFRS to ensure that it understands and has robust arrangements in place to assess and quantify future demand. Building upon this objective, the Chief Constable and PCC are keen to develop a clearer picture of the capacity implications of changing demand on workforce planning and demand management policy across Nottinghamshire in order to inform strategic and operational decision making over the coming spending review period. Crest Advisory have been commissioned by Nottinghamshire Police and Crime Commissioner Paddy Tipping to develop a bespoke demand model for the force which will enable users to map and quantify reactive and proactive policing demand in Nottinghamshire based on control room, crime, outcome, workforce, investigation and proactive activity-based costing data.

The model will be bespoke to Nottinghamshire and built to match the force's structure and specification. It will provide profiles and forecasts of the volume and types of incidents impacting upon the service, including estimated time taken for various activities and outcomes delivered. This will enable the service to forecast levels of demand over the next four years using 'what if?' scenarios and assess the impact of changes in policing policy and response.

Crest will provide Nottinghamshire Police with a version of the demand model that can be accessed in-force and used in real time by analysts and decision makers to inform strategic and operational planning. Crest will also work with the force to extend the model to include regional, organised and proactive elements of demand and develop a platform which will allow the force analysts to use the model independently.

The developmental work will enable Nottinghamshire Police to become more sophisticated in its understanding of demand and addresses concerns raised by the HMICFRS highlighting the need to

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develop a better understanding of demand in order to make informed decisions to plan for the future. Benefits include:-

- Supports Force Management Statement Requirement
 - Supports workforce planning in the immediate and longer term
 - Sets out a clear picture of the force's current performance
 - Sets out available hours of the workforce against hours demanded
 - Sets out hours demanded across different components/types of demand
 - Allows the force to model the impact of changing scenarios on demand/resourcing.
- For example:
- Impact of more/less resource
 - Impact of achieving a higher/lower charge rate (by crime type)
 - Impact of screening in more/less crimes for investigation (by crime type)
 - Impact of deploying to more/less calls
 - Impact of blanket policies around non-investigation of some crimes
 - Impact of an investment in technology resulting in less time demanded by admin/reporting

FINANCIAL INFORMATION (please include if is it capital or revenue or both. What the split is and the totals being requested. Is this a virement/ something already budgeted for or something that requires additional funding. Are there any savings that can be offered up/or achieved)

The two year project will cover the period 1 December 2019 to 1 December 2021 as a cost of £89,600 in year one and £69,020 in year two. This will be met from Revenue Budgets.

To note funding has been previously agreed to be allocated as follows:-

- 1 December 2019 to 31 March 2020 – £29,900 PCC / Chief Constable Joint fund
- 1 April 2020 to 31 30 November 2020 – £59,700 PCC / Chief Constable Joint fund
- 1 December 2020 to 31 March 2021 – £23,000 Nottinghamshire Police Core budget
- 1 April to 1 December 2021 – £46,020 - Nottinghamshire Police Core budget

Signature: 
 Chief Finance Officer

Date: 31st March 2021.

Is any of the supporting information classified as non public or confidential information?**

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| Yes | | No | ✓ |
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If yes, please state under which category number from the guidance**

DECISION:

The PCC is requested to confirm the following:

1. To note £29,900 in 2019/20 and approve £59,700 in 2020/21 from the PCC and Chief Constable's Joint Fund for the development of the CREST Demand Modelling Tool and

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Thematic Deep Dive Analyses

2. To approve £23,000 in 2020/21 and £46,020 in 2021/22 from the Nottinghamshire Police core budget for the development of the CREST Demand Modelling Tool and Thematic Deep Dive Analyses

OFFICER APPROVAL

I have been consulted about the proposal and confirm that the appropriate advice has been taken into account in the preparation of this report. I am satisfied that this is an appropriate request to be submitted to the Police and Crime Commissioner.

Signature:

Chief Executive



Date: 31/3/21

DECLARATION:

I confirm that I do not have any disclosable pecuniary interests in this decision and I take the decision in compliance with the Code of Conduct for the Nottinghamshire Office of the Police and Crime Commissioner. Any interests are indicated below:

The above request has my approval.

Signature:

Nottinghamshire Police and Crime Commissioner



Date: 1/4/21

** See guidance on non public information