



**NORTH YORKSHIRE
FIRE & RESCUE SERVICE**

North Yorkshire Fire and Rescue Service

Risk and Resource Model 2022-25



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What is a Risk and Resource Model?

- Profiles the risk factors that might increase the likelihood or severity of fire, road, water or other emergencies
- Models how NYFRS will deploy resources to address and reduce that risk.
- Ensures that firefighters and staff are in the **right place** at the **right time** with the **right equipment and skills** to deliver the **right and most appropriate service**, in the best possible way.

Community Risk Profile (CRP)



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- Open source data and internal incident data
- Risk focus:
 - Accidental dwelling fires
 - Road
 - Water
- Consideration of a range of other risks (national, regional, local)
- Gap analysis
- Proposal development

Gap analysis



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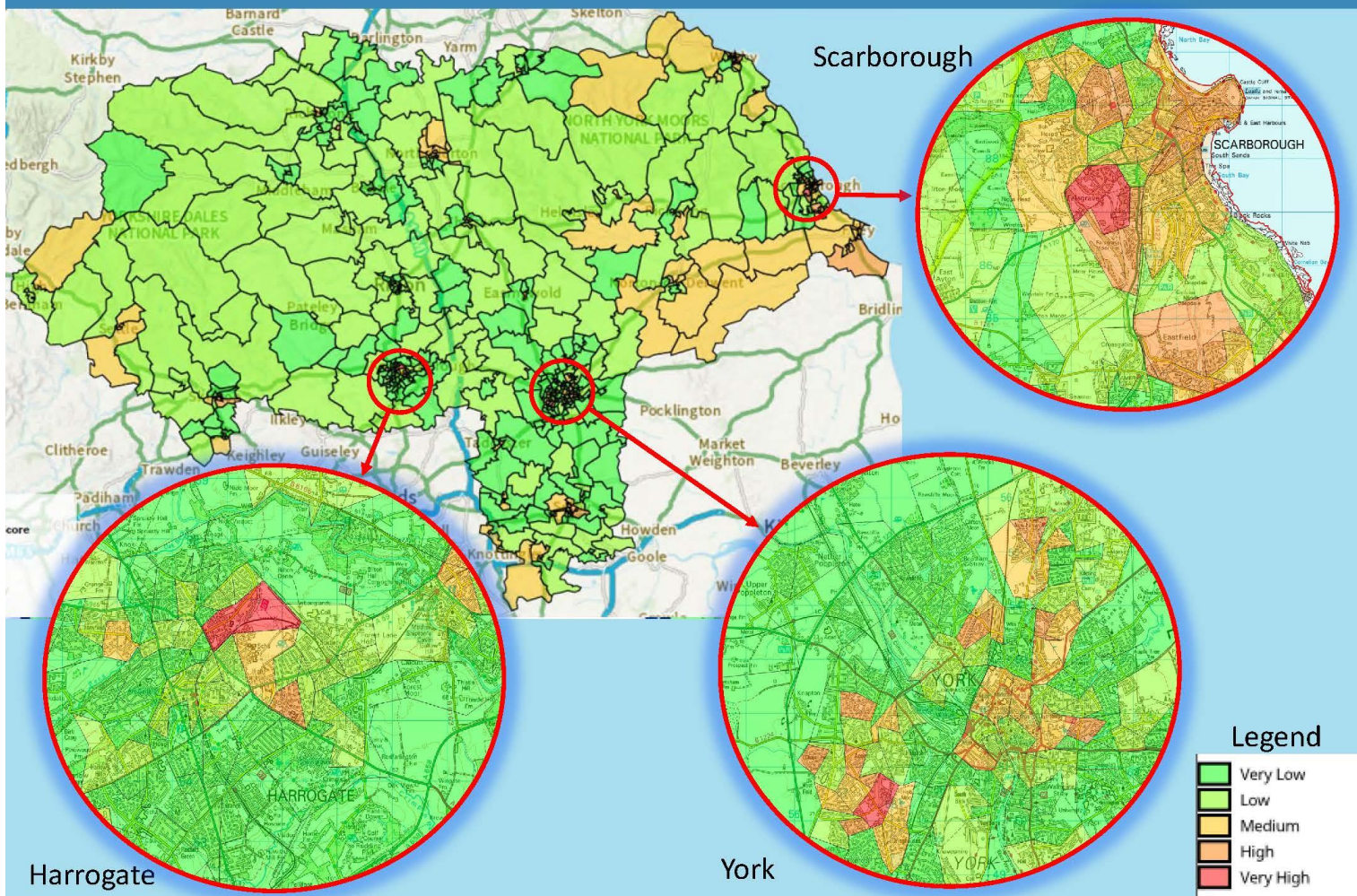
- Uneven access across the county to our range of prevention services
- Early intervention activity needs to increase
- Fire risk is relatively low
- Road and water risk is a significant challenge
- Under provision of water rescue response
- High level of AFAs
- Outdated response model
- Response standard vs principles
- Redesign is necessary

Accidental home fire risk



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Combined Risk For North Yorkshire Fire & Rescue Service Area



Harrogate

York

Scarborough

Strategic Intent



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*“The **Fire and Rescue Plan CARE principles** are met through the Service’s delivery model of prevention, protection, resilience and response. To fulfil the CARE principles, and further reduce the current and foreseeable fire and rescue related risks in North Yorkshire and the City of York, it is necessary to **redesign the service model to prioritise prevention and protection activity**, enabling a flexible, affordable and sustainable multi-year model.*

*The Risk and Resource Model (RRM) will develop the **Community Risk Profile (CRP)** for the Service area, and **realign Service resources to remove, reduce and mitigate the risk**. The RRM will define a resource plan to align the most effective and efficient distribution of resources. This will facilitate the Fire Transformation Programme until the output of the next RRM.”*

Proposals development



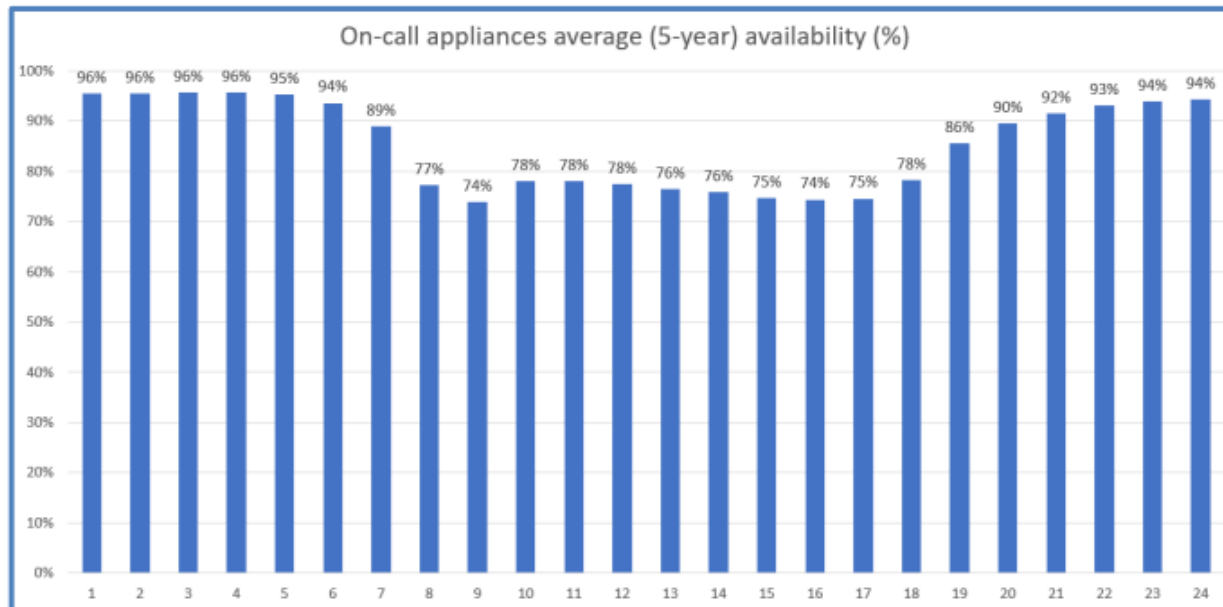
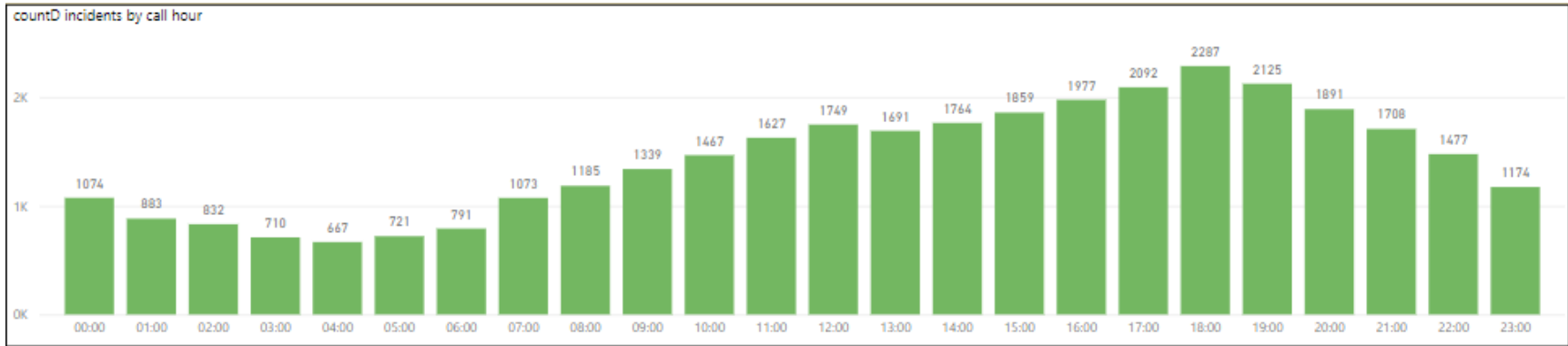
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- Community Risk Profile
- Incident data dashboard
- Web mapping
- On-call availability
- Workload modeler-Base case and modelled changes
- Static Response Model
- Gazetteer
- Quality assured by an independent third party

Incident profile and On-call availability



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[Consultation Video by the Police and Fire Crime Commissioner](#)

Proposals (Full Consultation)



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1

Improving our prevention and protection work

Permanently increase the specialist staff in our prevention and protection departments and increase prevention and protection activities across the Service.



2

Managing attendance to Automatic Fire Alarms

Reduce response to low-risk Automatic Fire Alarms (AFAs) which are often unwanted fire signals (an alarm activated by a something other than a fire).



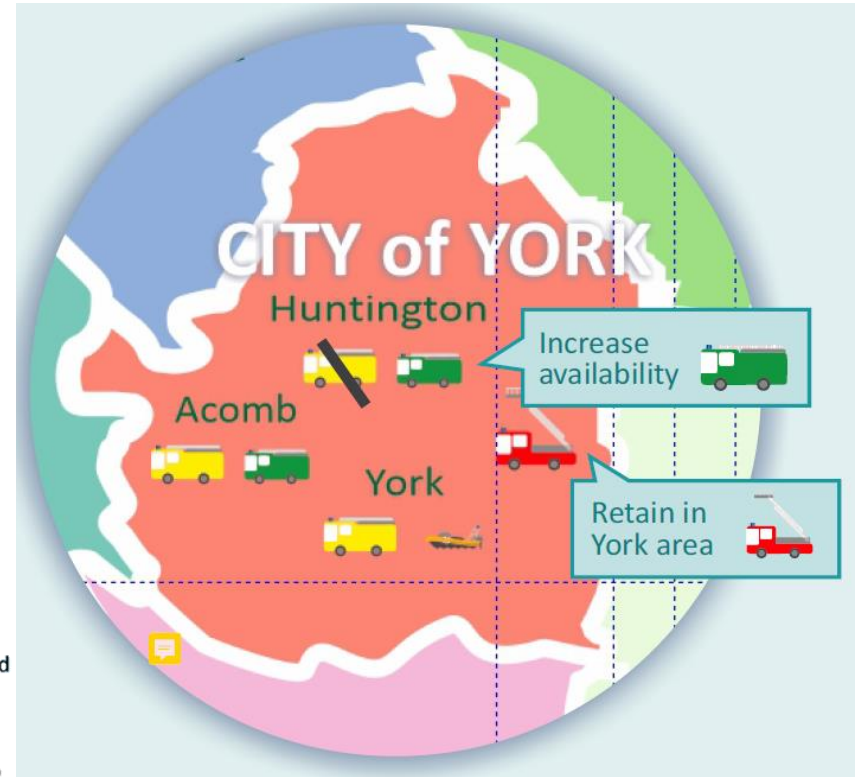
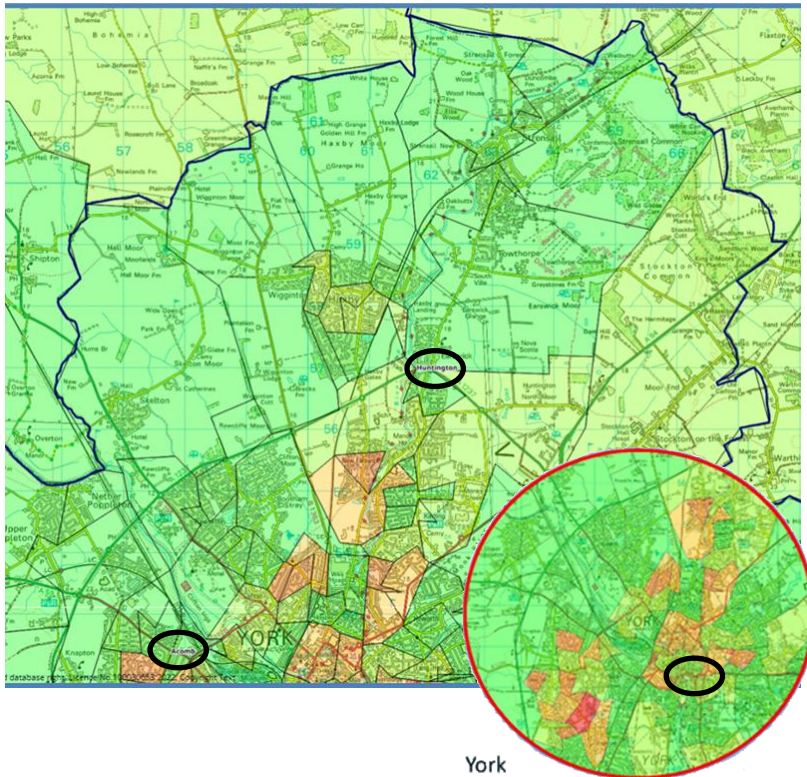


Proposals (Full Consultation)

3

Response resource in the York area

Change Huntington to an On-call fire station to rebalance the emergency response resource with the risk that exists in the York area.





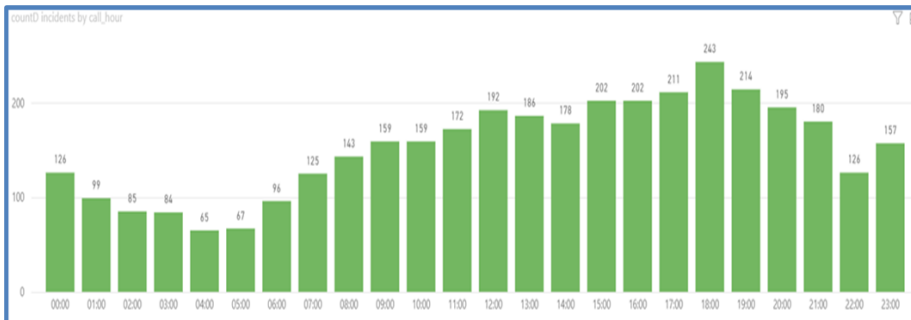
Proposals (Full Consultation)

4

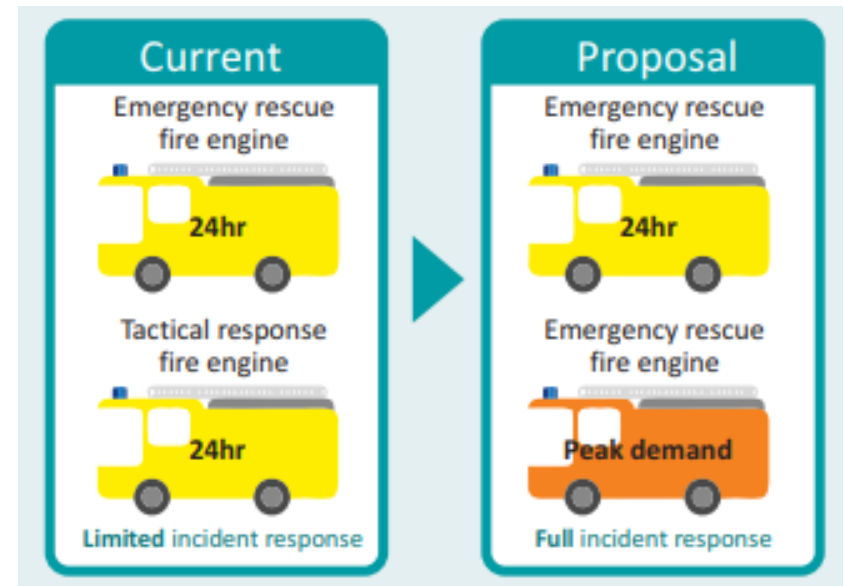
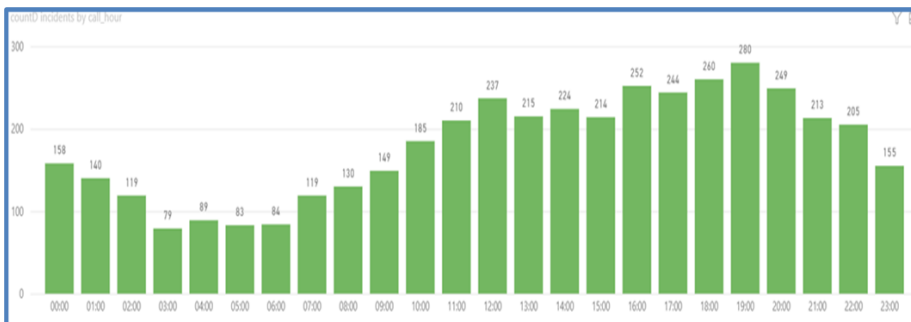
Response resource in Harrogate and Scarborough

Replace the Tactical Response fire engines with Emergency Rescue fire engines, crewed during the time when emergencies are most likely to happen.

Harrogate demand profile/hour



Scarborough demand profile/hour



Other service changes (not requiring full consultation)

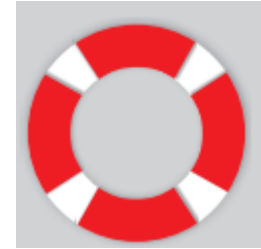


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1

Specialist water rescue capability in Craven

We are upskilling and equipping firefighters to provide a new specialist water rescue capability in Craven.



2

Introduction of emergency response principles

We are formalising how we respond appropriately, quickly and safely to emergencies so that you know what you can expect from us.



3

Introduction of alternative duty systems

We would like to introduce a self-rostering duty system across all our full-time fire stations and change the timings of our shifts.



