

Brampton Fire Station
Risk Based Evidence Profile 2018
Risk Review



**Prepared by Cumbria County Council
Performance and Intelligence Team**

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Introduction

This document forms part of the Risk-Based Evidence Profile 2018 (RBEP 2018). The RBEP 2018 is comprised of a 'core' document profiling risk and demand across the county, and 38 individual station profiles (of which this is one).

The RBEP 2018 is developed to support the Integrated Risk Management Plan (IRMP) 2019-23. The purpose of the IRMP 19-23 is to identify and assess fire and rescue related risks for the next four years, and set out what the service is going to do to address them.

Each station profile details the station area and its available resources, alongside the demand and risk for that station. Prevention and protection activities are also provided to evaluate the scope of mitigating actions that have been taken to address high priority risks.

Horizon scanning is conducted to identify any significant infrastructure, economic and housing developments which need to be taken into account for future service provision.

Station Area and Resources

The fire station is situated in Brampton. A map of the 'station area'¹ is shown below. The station in 17/18 was crewed by 12 firefighters working the On-call duty system.



Station Area	11,000 population
Crewing Type	On-call
Fire Engines	1 fire engine

The following table indicates the travel distance in miles from Brampton Fire Station to the next nearest three fire stations.

Station Name	Distance by Road (MILES)
Carlisle East	9 miles
Carlisle West	11 miles
Longtown	11 miles

¹ This is a nominal area which distributes the county across its 38 stations for the purposes of management and performance benchmarking.

Fire Engine Availability

During 2017/18 the Brampton On-call fire engine had been off duty for 6.97% of the time.

C23P1	2015/16	2016/17	2017/18
Total Availability	91.32%	91.68%	93.03%
Mon - Fri (08:00 - 18:00)	90.54%	88.39%	88.14%
Mon - Thurs (18:00 - 08:00)	98.59%	98.55%	98.94%
Fri - Mon (18:00 - 08:00)	93.26%	88.15%	91.63%

Station Fire Engine Response Times

Brampton fire engine has been called to the following number of incidents over the last three years with the associated response times. Some of the incidents attended may have been in neighbouring station areas.

Between 2015/16 and 2017/18 the Brampton On-call fire engine (C23P1) had the following response times below

C23P1	2015/16	2016/17	2017/18
Average crew turnout time (time it takes the crew to respond to the station)	4 mins 4 secs	3 mins 53 secs	4 mins 3 secs
Average response time (time it takes the crew to arrive at the incident from the station)	7 mins 2 secs	12 mins 44 secs	9 mins 44secs
Number of incidents attended by fire engine C23P1	71	53	75

Station Area Response Priorities

A 3 year profile of demand within the station area, with associated number of fatalities and seriously injured casualties, is detailed in the table below.

Table 1: Prevention, Protection and Response Priorities: Brampton

Fire, Rescue and Road Safety Priorities 2018/19	Incidents			Fatalities				Seriously Injured Casualties				PRIORITY	2017/18 compared to 3yr average ³
	2015/16	2016/17	2017/18	2015/16	2016/17	2017/18	Average per 100 incidents	2015/16	2016/17	2017/18	Average per 100 incidents		
All incidents	37	50	64	-	-	1	0.7	3	1	-	2.6	n/a	↑
Injury Road Traffic Collisions ¹	4	4	3	-	-	1	9.1	3	-	-	27.3	Very High	↓
Primary Fires ²	6	10	8	-	-	-	0.0	-	-	-	0.0	Very High	↔
Flooding and water incidents	3	1	2	-	-	-	0.0	-	-	-	0.0	High	↔
Gas incl Carbon Monoxide	-	-	-	-	-	-	0.0	-	-	-	0.0	Medium	↔
Automatic Fire Alarms	13	20	26	-	-	-	0.0	-	-	-	0.0	Standard	↑
Wildfires ⁴	1	-	-	-	-	-	0.0	-	-	-	0.0	Standard	↓
Animal Assistance Incidents	-	1	2	-	-	-	0.0	-	-	-	0.0	Standard	↑

↔ = No Difference +/-5% ↑ = Higher ↓ = Lower

¹Injury Road Traffic Collisions include RTCs attended by CFRS where there was a fatality or a rescue with injury

²Primary fires include all fires in buildings, vehicles and outdoor structures or any fire involving casualties, rescues or fires attended by five or more appliances

³Increase or decrease if greater than 5% of three year average

⁴Wildfire is defined as any uncontrolled vegetation fire which requires a decision, or action, regarding suppression, plus any one of the following criteria (i) involves a geographical area of greater than 1 hectare (ii) has a sustained flame length of 1.m (iii) requires a committed resource of 4 or more appliances (iv) requires resources to be committed for over 6 hours (v) presents a serious threat to life, environment, property and infrastructure

Primary Fire Response Profile

Incident and Risk Profile

In 2017/18, there were 64 incidents within Brampton Fire Station area with 1 fatality. This included 3 Injury RTCs, 8 primary fires and 2 flooding and water incidents.

CFRS Risk Profile identifies the levels of risk within an area (Lower Super Output Area²) of incident types occurring – this is based on the likelihood of an incident occurring and also on the likelihood of that incident being of a life-threatening or serious nature. Full details of the risk model calculations used are in Appendix B of RBEP 2018.

The fire risk model shows decreasing fire risk for Brampton Fire Station with no high level risk LSOAs, and overall risk score decreasing from 144 in 2014/15 to 142 in 2018/19, a decrease of 1%.

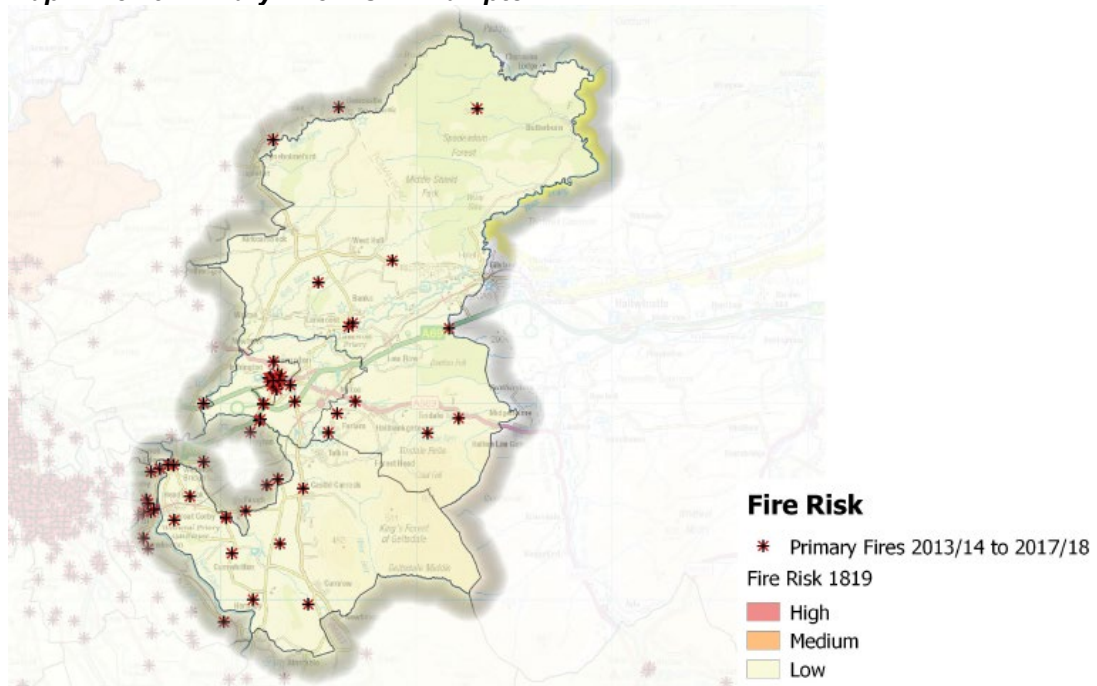
Table 2: 18/19 Primary Fire Risk – Brampton

Brampton Risk Profile		Incidents 2009/10 - 13/14		Incidents 2010/11 - 14/15		Incidents 2011/12 - 15/16		Incidents 2012/13 - 16/17		Incidents 2013/14 - 17/18	
		2014/15 Risk		2015/16 Risk		2016/17 Risk		2017/18 Risk		2018/19 Risk	
Score	Risk Grade	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs
>=76	High	0	0	0	0	0	0	0	0	0	0
35- 75	Medium	0	0	0	0	0	0	0	0	0	0
<=34	Low	144	6	140	6	142	6	142	6	142	6
TOTAL		144	6	140	6	142	6	142	6	142	6

The map of Fire Risk below shows levels of Fire Risk by LSOA, with the last 5 years of primary fire incidents clustering within Brampton town centre.

² Lower Super Output Areas are geographic areas created by the [Office for National Statistics](#) to support statistical analysis at a more detailed geographical level . Each LSOA is designed to have similar population sizes of up to 1,200 households.

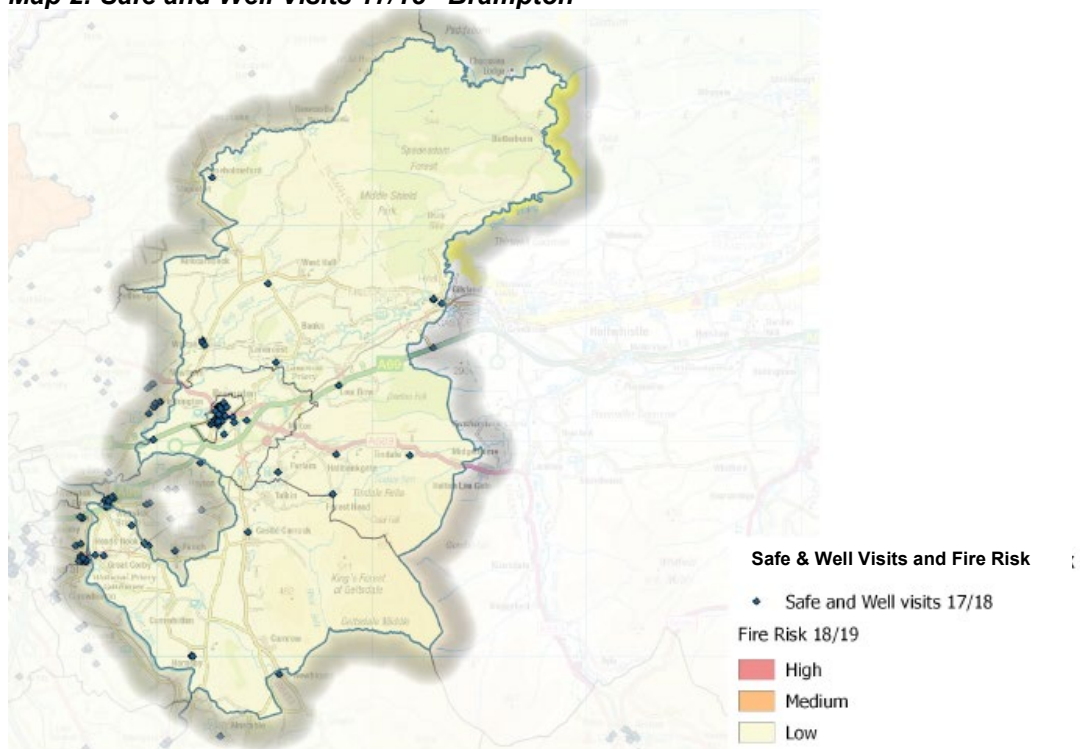
Map 1: 18/19 Primary Fire Risk –Brampton



Prevention and Protection Activity

In April 2017 CFRS implemented their new Safe and Well visits. These are targeted at individual households that are high risk, rather than areas of high risk as previously targeted in the Home Safety Visits. In 2017/18 CFRS conducted 10,432 Safe and Well visits across Cumbria.

Map 2: Safe and Well Visits 17/18 –Brampton



Injury Road Traffic Collision Response Profile

Incident and Risk Profile

The Injury RTC risk modelling shows an increasing rate of risk for Brampton Fire Station area. There are no high risk LSOAs in 2018/19. However, the overall risk score increases from 252 in 2014/15 to 321 in 2018/19 – an increase of 3%

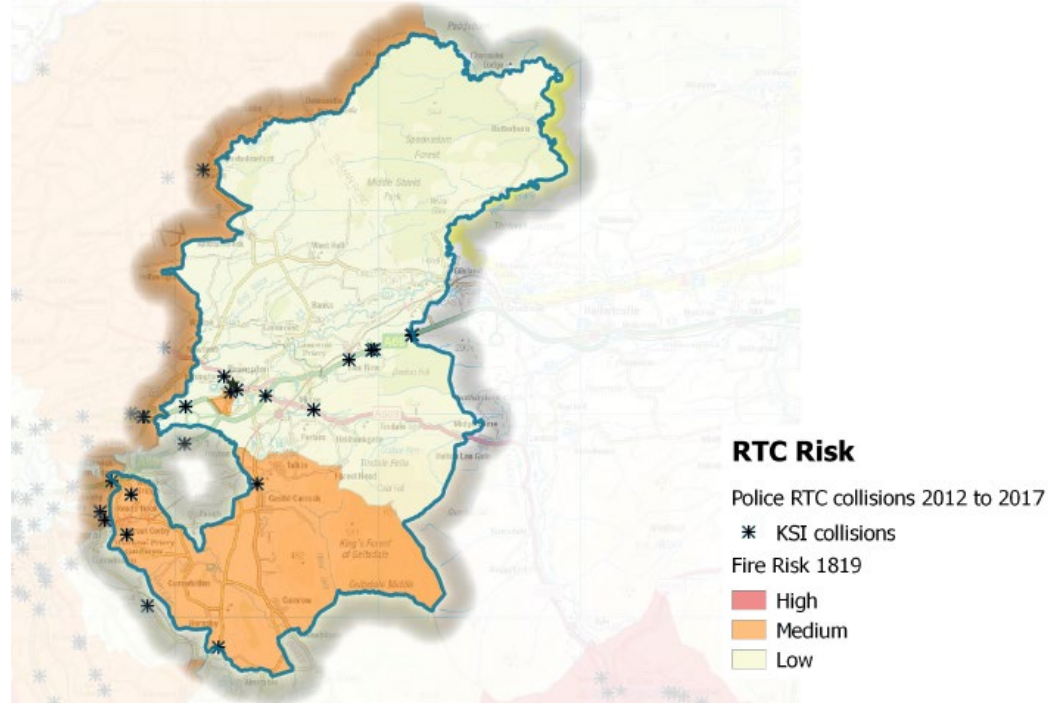
Table 3: 18/19 Injury RTC Risk – Brampton

Brampton Risk Profile		Incidents 2009/10 - 13/14		Incidents 2010/11 - 14/15		Incidents 2011/12 - 15/16		Incidents 2012/13 - 16/17		Incidents 2013/14 - 17/18	
		2014/15 Risk		2015/16 Risk		2016/17 Risk		2017/18 Risk		2018/19 Risk	
Score	Risk Grade	Risk Score	No of LSOA	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs
100	High	0	0	0	0	0	0	0	0	0	0
24-100	Med	140	2	140	2	188	3	80	1	144	2
<=24	Low	112	4	120	4	100	3	164	5	116	4
TOTAL		252	6	260	6	288	6	244	321	260	6

Datasources: Cumbria Constabulary RTC Data, FireCore Incident data

The map below shows the risk levels by LSOA for Cumbria, overlaid with Killed/ Seriously Injured (KSI) incidents between 2012 and 2017.

Map 3: 18/19 Injury RTC Risk –Brampton



Prevention and Protection

CFRS provide Road Awareness Training (RAT) sessions targeted at drivers aged 18 to 25 years, as these are at highest risk of being involved in a collision. We also currently provide RAT sessions targeted at those aged 55 years and older.

In Carlisle District, 24 RAT sessions were provided throughout 2017/18 to a total of 629 attendees.

Table 4: Number of RAT sessions 2017/18 by District

Road Traffic Awareness Training Sessions completed 2017/18		
District	Number of RATs	Number attended
Allerdale	27	305
Barrow-in-Furness	7	257
Carlisle	24	629
Copeland	11	329
Eden	3	120
South Lakeland	10	507
Cumbria	82	2,147

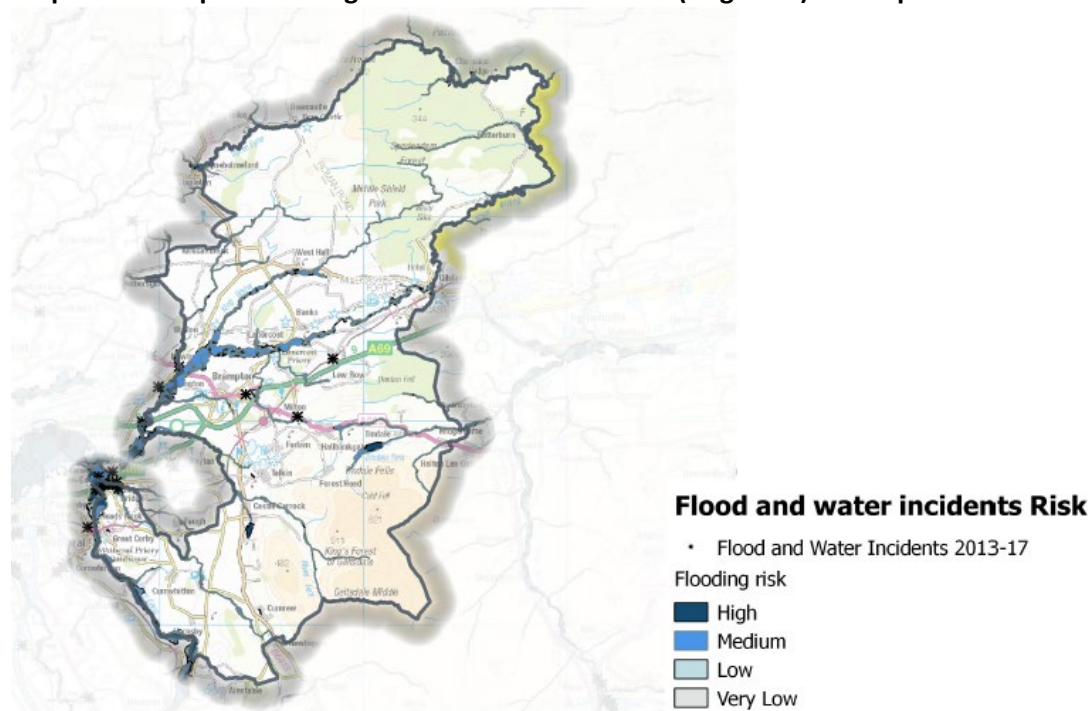
Datasource: CFRMIS

Flooding and Water Rescue - Response Profile

Incident and Risk Profile

Flood Risk is taken from the Environment Agency's Risk of Flooding from Rivers and Seas (Aug 2018). The risk of flooding is categorised into high, medium, low and very low areas. Incidents responded to by CFRS between 2013 and 2017 are overlaid on the risk areas.

Map 4: Risk Map of Flooding based on Rivers and Seas (Aug 2018) - Brampton



Prevention and Protection Activity

The [Environment Agency's Cumbria Flood Action Plan](#) (1 June 2016) details 65 areas of action for implementation across Cumbria, Eden, Derwent and Kent and Leven Catchment areas. These proposed actions fall into five key themes

- Strengthening Defences
- Upstream Management
- Maintenance
- Resilience
- Water Level Management Boards

Full details of the Cumbria 2015 Flood Events are available in the [Flood Impact Assessment](#) Dec 2015.

Other Risk information

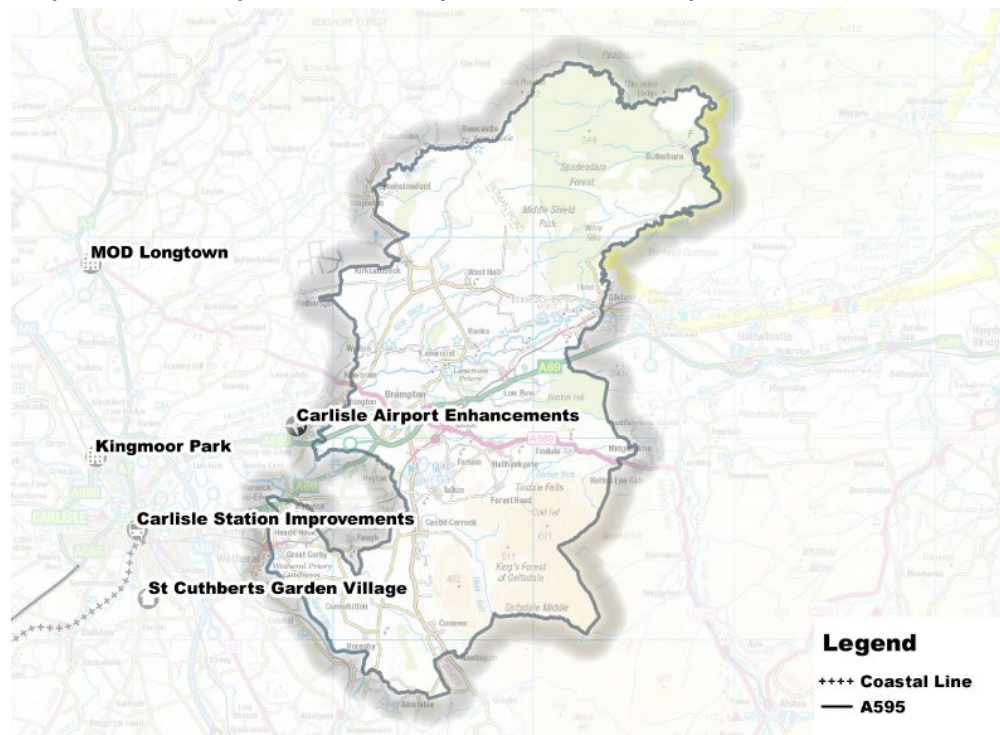
Brampton is a small market town situated nine miles east of Carlisle, near to Carlisle Airport on the B6243. The town was founded in the 7th century, with many of the historic houses still remaining. The population of Brampton and the surrounding area is approximately 6,500 people, with this number being increased by tourists visiting this lovely area. The risks are mainly residential, although there are a number of pubs and guest houses which cater to the tourist trade, the station also covers a large rural community extending to approximately 12,500 hectares. Due to the busy roads which surround Brampton, including the A69, the station attends a number of road traffic collisions.

Brampton	Risk in station area
Heritage	<ul style="list-style-type: none"> • Banna (Birdoswald Fort) • Hadrian's Wall (UNESCO World Heritage Site) <p>Grade I listed:</p> <ul style="list-style-type: none"> • Askerton Castle, Askerton • Church of St Martin, Brampton • Roman Wall, west of former Vicarage, Gilsland • The Vicarage, Landercost • Lanercost Priory, Landercost including Gateway arch west of, walls to the north of and cross base north-west of. • Church of St Mary, Landercost • Dacre Hall, Landercost • Naworth Castle, Naworth including walled garden east of, 'Boat' House east of and Gatehouse east of. • Denton Hall and adjoining barn/stables, Nether Denton <p>Grade II*:</p> <ul style="list-style-type: none"> • Church of St Cuthbert, Bewcastle • Four Gables, Brampton • Moot Hall, Brampton • Church of St Mary Magdalene, Hayton • Gelt Bridge, Hayton • Church of St Kentigern, Irthington • Tarn House, Midgeholme • Old Church Farmhouse, Brampton • Church of St Martin, Brampton • Temon and adjoining outbuilding, Upper Denton • Upper Denton Church, Upper Denton • Church of St Mary, Walton
Environment	<ul style="list-style-type: none"> • Special Areas of Conservation: Bolton Fell Moss (NY490688), Walton Moss (NY504665) • 13 Sites of Specific Scientific Interest
Site Specific Risks	<ul style="list-style-type: none"> • Carlisle Airport • Spadeadam
Rurality	<ul style="list-style-type: none"> • Of the 6 LSOAs that make up Brampton 3 are designated as 'Town and Fringe' according to DEFRA Urban/Rural classifications and 3 as 'Village and Hamlet'

Horizon Scanning

Risk and demand are constantly evolving across the county, and as such necessitate an evolving service to optimise efficiency and effectiveness. In the short to long-term a range of infrastructure and economic projects are anticipated across the county. Those that are planned within the Brampton Fire Station area are shown below.

Map 5: Future Projects and Developments within Brampton Station Area



Currently there are no large infrastructure or economic projects planned within the Brampton station area, however the neighbouring station areas, Carlisle East and Carlisle West, have:

Station	Project	Investment Impact
West Coast	Cumbrian Coastal Railway Enhancement	Improvements to increase capacity, usage and resilience
West Coast	A595 Corridor Enhancements	Improvements to support economic growth in West Cumbria
Carlisle East & West	Carlisle Station Improvements	Improvements to passenger & freight
Carlisle West	Carlisle Airport Enhancements	Improvements to allow scheduled air services
Carlisle West	Kingmoor Park	Bring forward future development
Carlisle West	St Cuthbert's Garden Village	10,000 homes

Based on these economic and housing projects, Carlisle district's population is expected to remain relatively stable with projections of growth between +1% and +6% by 2023, which would lead to primary fire growth between 1 and 9. This would have no projected impact on fire casualty rates by 2023.