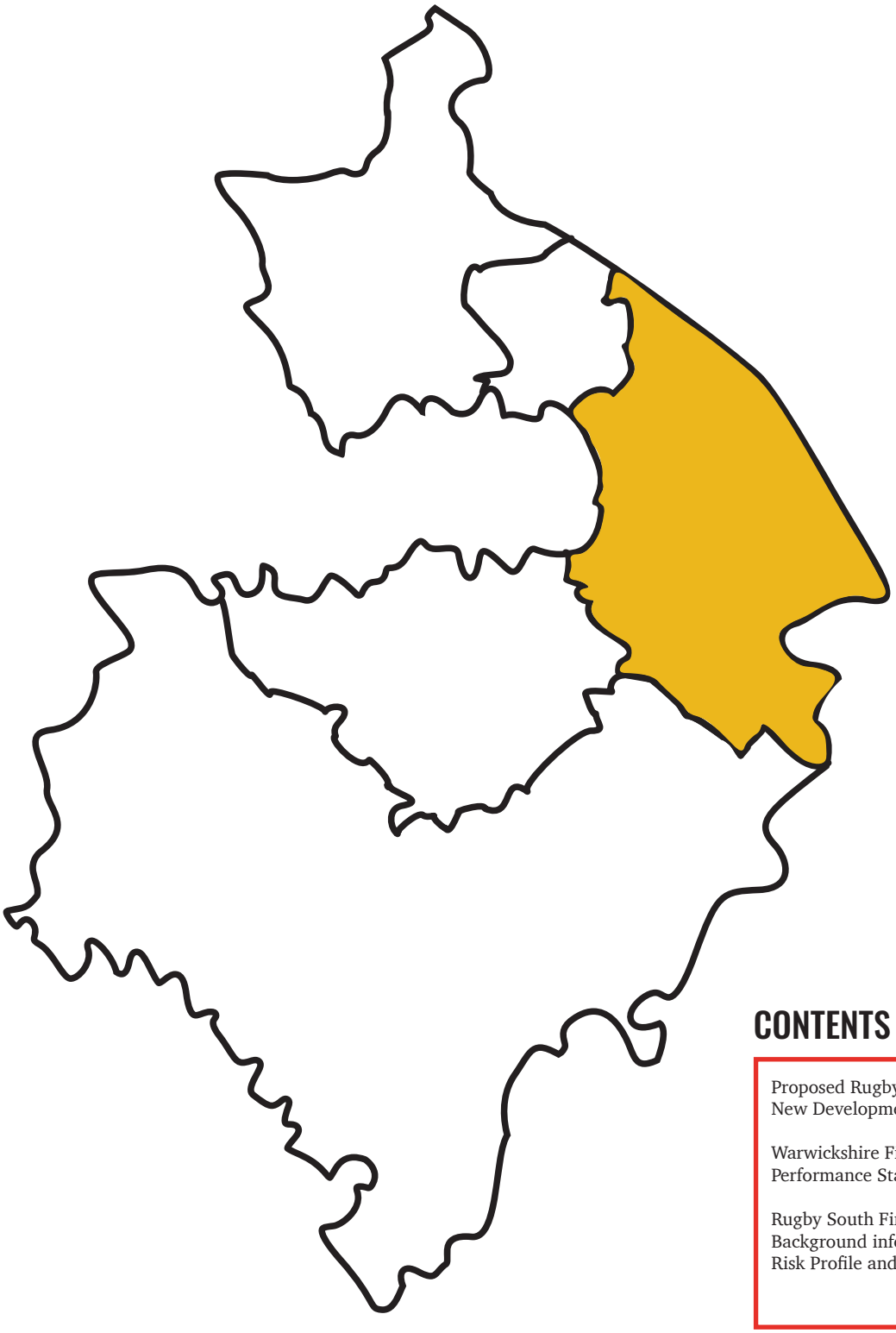
WARWICKSHIRE FIRE & RESCUE SERVICE

AREA PROFILE: RUGBY



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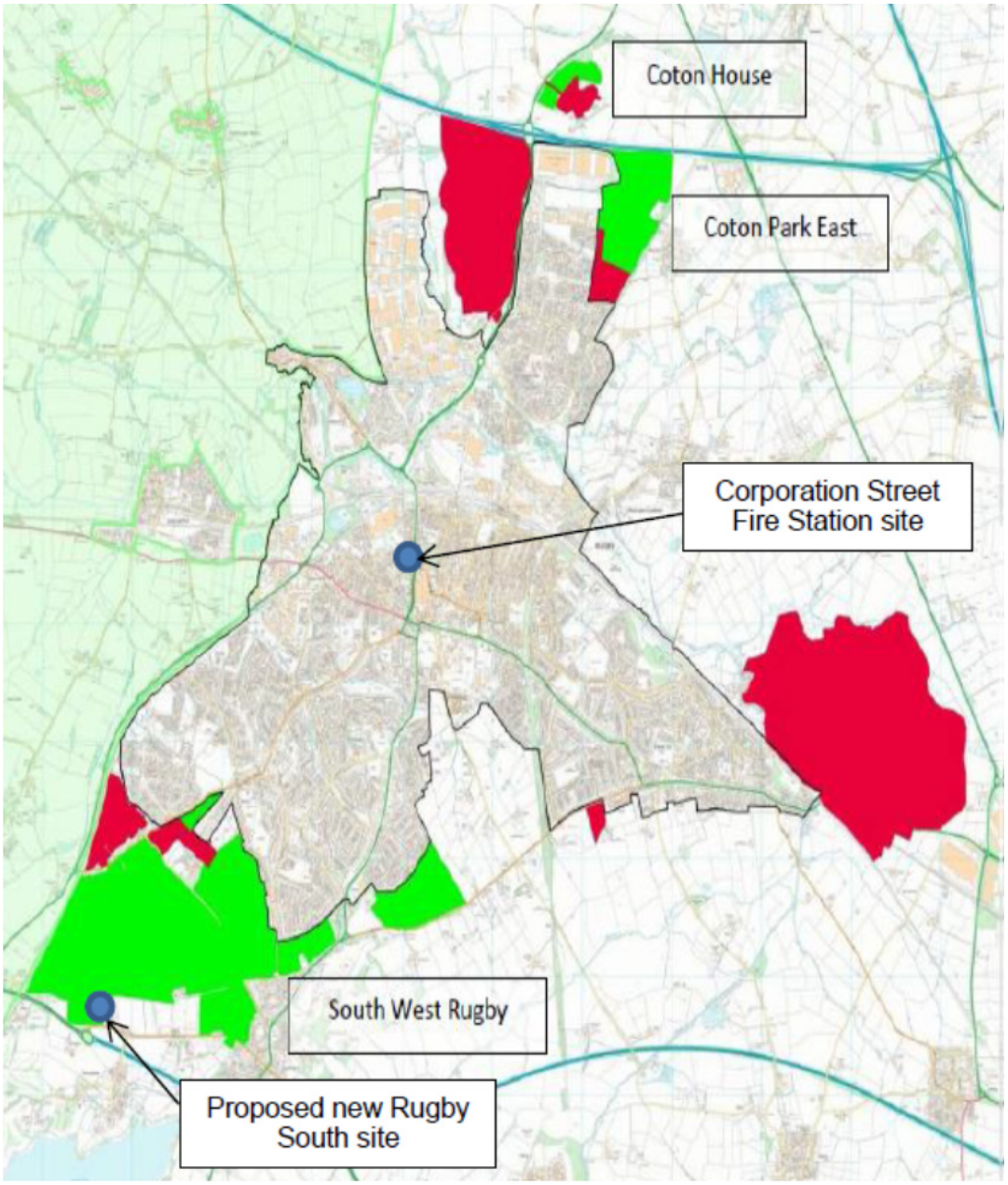
Warwickshire County Council

Proposed Rugby South Fire Station and New Developments

The proposed site of the new fire station is Symmetry Park, north of the A45/M45 roundabout, and adjacent to the B4429 Coventry Road:



Warwickshire Fire & Rescue Service(WFRS) Performance Standards Explained

WFRS Performance Standards

The Service has a set of Emergency Response Standards that it is measured against.

Prior to April 2015, the standard was to provide an appliance to an incident within ten minutes of receiving a call in an urban area, and within twenty minutes in a rural area. A changing risk profile resulted in the adoption of an overall performance standard based on attendance to life risk incidents wherever they occur. These include Road Traffic Collisions (RTCs), which are as likely to occur on fast rural roads and motorways, as well as in urban areas.

Since April 2015, the performance standard is:

- The first fire engine will attend life risk emergencies (P1&P2) across the County within 10 minutes on 75% of occasions.
- The second fire engine will attend life risk emergencies across the County within 15 minutes on 90% of occasions.

WFRS Incident Priorities

Priority Level & Definition	Examples
P1 (Highest Priority) Incidents which pose an immediate threat to human life	Persons physically trapped Rescue from water Rescue from Road Traffic Collision Building fire, persons reported
P2 Incidents which pose a serious hazard and high risk threat to life	Building fire or explosion Fire in a train Fire in electrical installations Caravan fire Lorry or coach fire
P3 Incidents which pose a potential serious hazard to human life	Car fire Hazardous Materials Chimney Railway Embankments
P4 Incidents which pose a potential hazard to human life	Small fire outdoors Roadside Furniture
P5 (Lowest Priority) Incidents which pose a confirmed low hazard to human life	Fire believed to be already out

Rugby South Fire station Consultation Background information – Performance Data Risk Profile and Demand Levels Data

Current Rugby Area Profile		
Fire Engines:	Rugby 1	Wholetime Duty System, 24 hour
	Rugby 2	Wholetime Duty System, 24 hour

Operational Incidents, Annual Average:

	Rugby	% of Warks Incidents	Warwickshire
High Priority Life Risk Incidents (P1 & P2)	84	16.5%	509
Lower Priority Incidents (P3, P4 & P5)	400	16.5%	2428
All Incidents (All Types)	484	16.4%	2937
Fires in Dwellings (P1/P2 in Dwellings)	36		
RTC Incidents (P1 RTCs)	48	16.3%	294

Area Profile:

Population (2012), Rugby Area	100,751
Number of Dwellings, Rugby Area	43,376
Average Family Size, (Persons per Dwelling)	2.3
Number of Dwellings, Current Rugby 10 min Isochrone	37,339

Impact of Development on Rugby Area Risk Profile

Impact on Rugby Area Profile	
Additional Dwellings and Population:	
Houses / Dwellings	+5,000
Population	+11,500

Expected Increase in WFRS Demand activity:

Expected Increase in WFRS Activity Levels

Additional WFRS Demand - Service Control:

	Current Total, Warks 17/18	Current Total, Rugby Area	Impact - Additional Calls & Mobilisations
Number of incoming calls to Fire Control	10,771	2,154	+280
Number of mobilisations by Fire Control	4,989	998	+130

Additional WFRS Demand - Emergency Incidents:

		Current Annual Ave, Rugby Area	Impact - Additional Incidents
RTCs		48	+6
Dwelling Fires		36	+5
P1s + P2s High Priority Life Risk Incidents		84	+11
All Incident Types		484	+61

Additional WFRS Demand - Prevention & Protection:

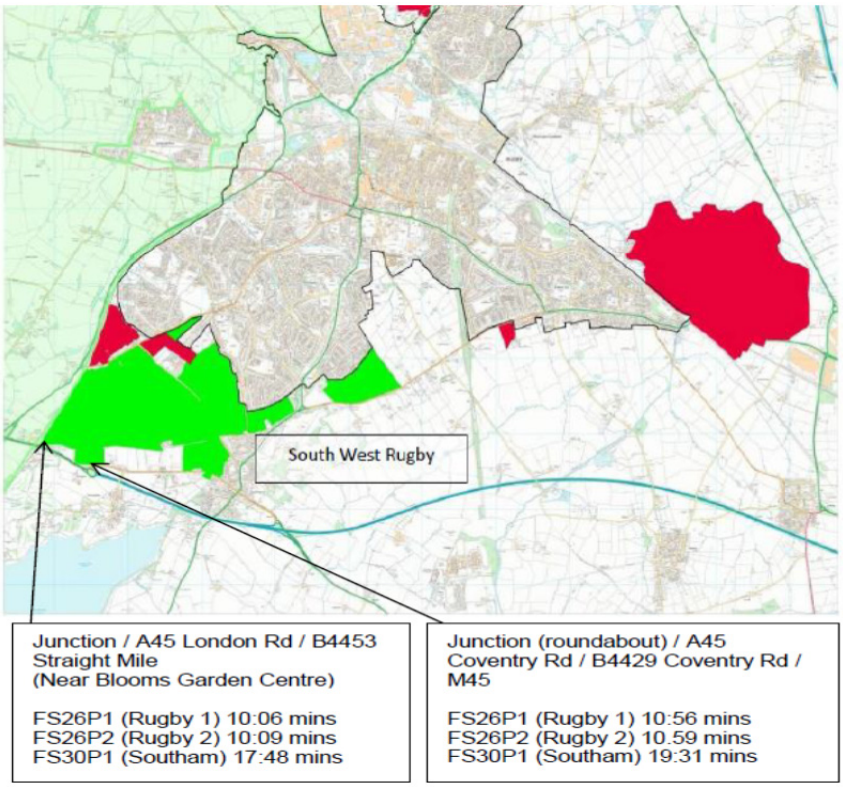
	Current Total, Warks 17/18	Current Total, Rugby Area	Impact - Additional Visits & Inspections
Number of prevention visits - ie Safe and Well	4,039	808	+105

checks			
Number of Fire Protection inspections - ie Business Fire Safety Audits	513	103	+13

Response Time Data

Response times from Corporation Street Fire Station:

The development to the SW of Rugby is on the periphery of the response area from the present Corporation Street site. The illustration below shows indicative response times from the present fire station site. (The red and green areas show the proposed new developments)

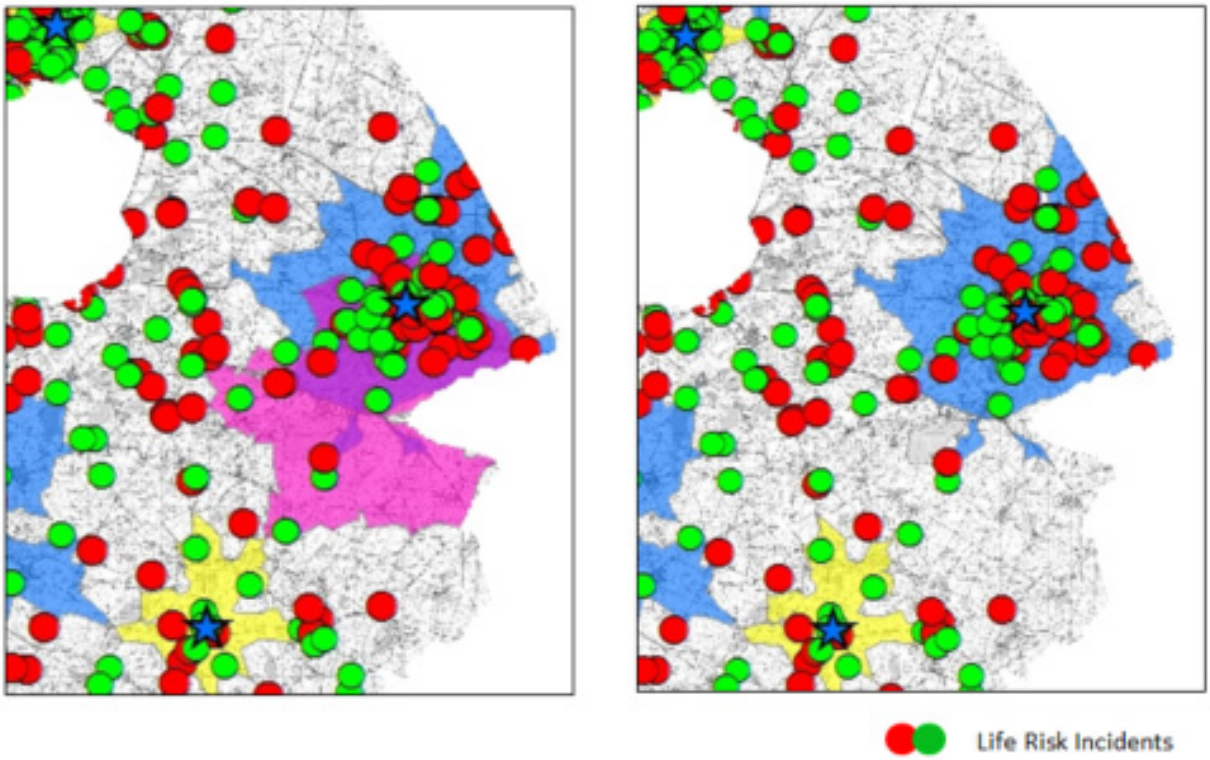


Comparable Response to these Locations from the Proposed Site

Comparison of Response Times		
	Corporation Street	Rugby South
Junction A45 with the B4453	10.06 mins	3.00 mins
Junction A45 with the B4429	10.56 mins	2.00 mins

Increased Response Area

Data forecasting, as shown above, suggests that the occurrence of life risk incidents will increase by 12.5%, resulting in an additional 61 incidents per year, of which 11 will be life risk incidents which the Service will not be able to attend within the required 10 minutes performance standard. Relocating resources to Rugby South will maintain safety of the public by providing a more consistent response to emergency incidents. The illustration below shows the 10 minute response area of the new site:



As well as the extended response area of the new site, the map shows it's correlation with the occurrence of life risk incidents (P1 & P2 incidents). Incident data used is from 2011 to 2013, therefore, as previously noted, additional incidents would be expected to occur in the new development area covered by the Rugby South footprint.
Expected Improvement in Performance

The response area for the proposed site will improve our performance, as measured across the whole County, from 71% to 73% for life risk incidents attended within 10 minutes. The table below shows this improved performance, taking into account the forecasted increase in demand, along with number of new dwellings expected within the response area:

Improved Performance of Rugby South			
Fire Station Locations	Life Risk Incidents inside 10 minute Travel Area	% of Life Risk Incidents inside 10 minute Travel Area	Number of Dwellings inside 10 minute Travel Area
Corporation Street	691	70.65%	43,376
Rugby South + Corporation Street	725	73.00%	48,376