

UK SPF EVENT

FUTURE SPECTRUM CAPACITY DEMAND WITH A RURAL FOCUS

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IQBAL SINGH BEDI



Intelligens Consulting is an award winning telecoms and smart city advisor with a global client base providing investors, operators and policy makers with technical, strategic, commercial and economic advice

4G coverage is predominantly challenging for Scottish rural areas but problem is not isolated to rural areas

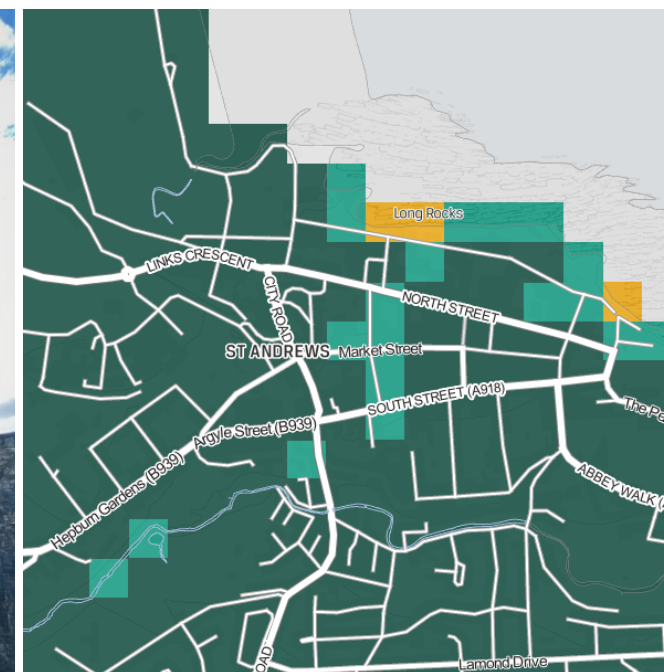
UK nations 4G coverage, source: Ofcom, 2021



St Andrews Cathedral



Outdoor 4G data coverage for an MNO in St Andrews, source: Ofcom 2021



Poor connectivity impacts those who stand to benefit the most from good connectivity – its not rocket science

Schools



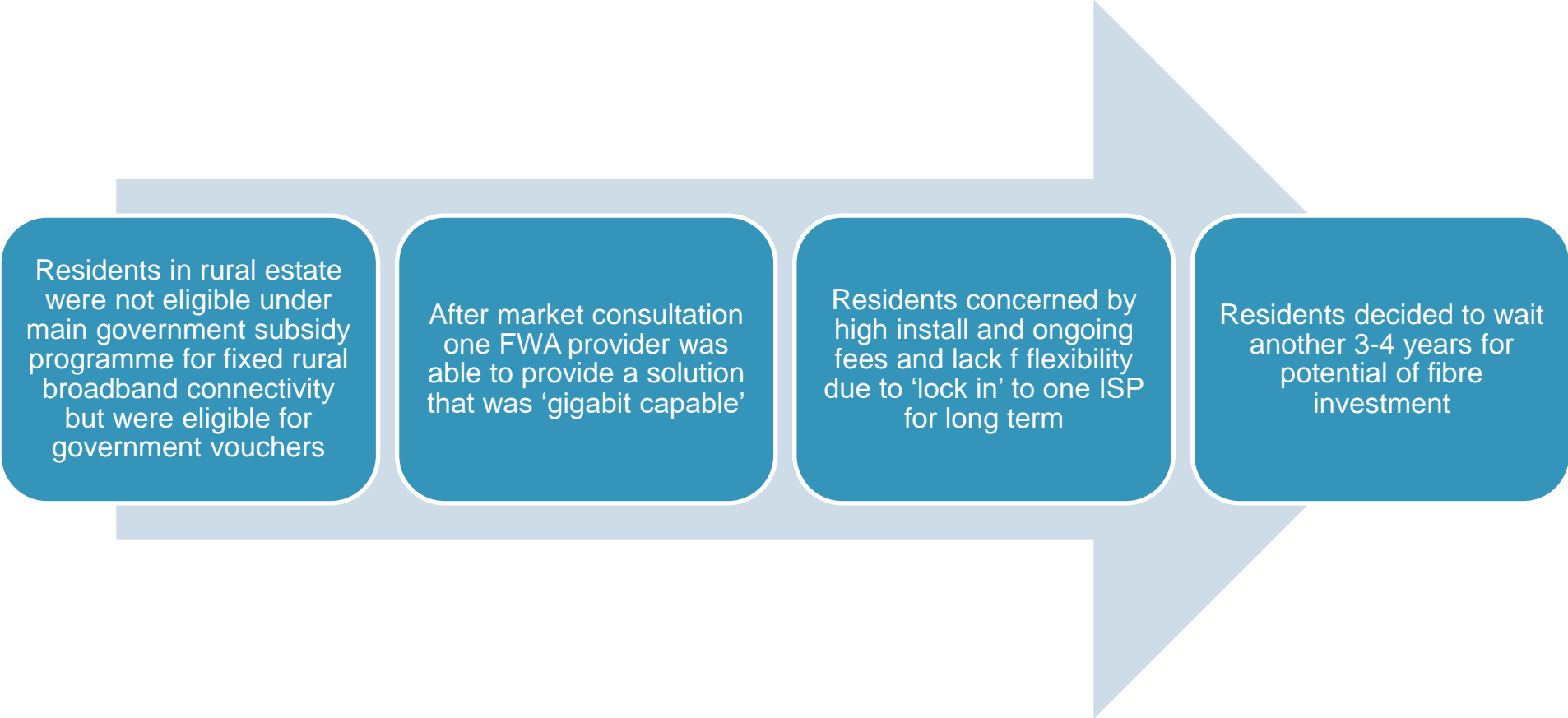
Health and Social Care



Rural homes



A recent case supporting FWA in the rural residential sector shows a reluctance towards wireless – how does the industry overcome this?



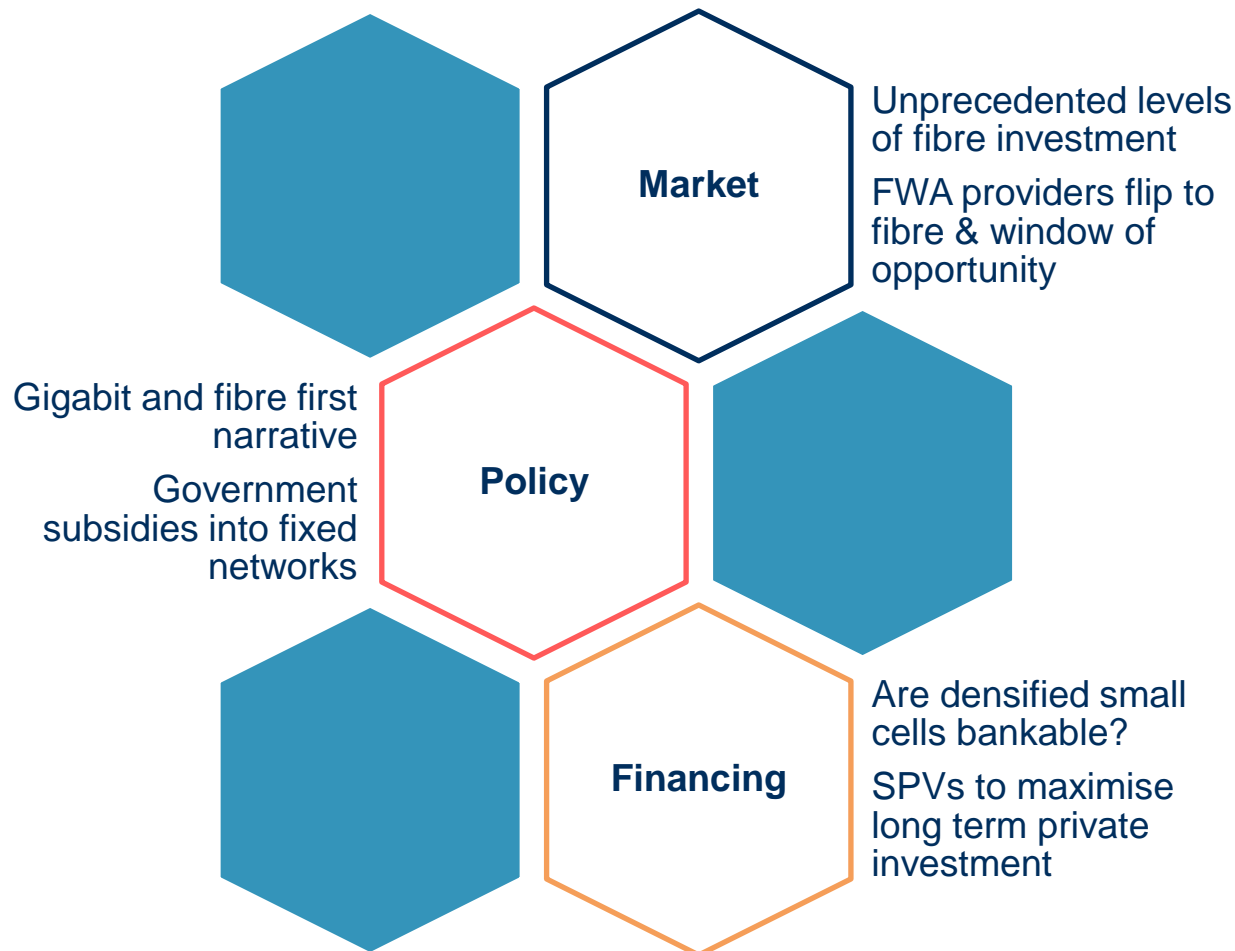
Residents in rural estate were not eligible under main government subsidy programme for fixed rural broadband connectivity but were eligible for government vouchers

After market consultation one FWA provider was able to provide a solution that was 'gigabit capable'

Residents concerned by high install and ongoing fees and lack of flexibility due to 'lock in' to one ISP for long term

Residents decided to wait another 3-4 years for potential of fibre investment

Wireless (fixed and cellular) demand (res and biz) is affected by a number of external factors which need to be overcome





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