Climate Plans in Parish Online

B&NES Parish Liaison Meeting

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Climate Plans in Parish Online

- Over 70% of Districts have declared a Climate Emergency
- But Parish and Town Councils are finding it hard to follow up with geography-specific climate plans
  - Lack of expertise
  - Lack of data
  - Lack of tools
- Proposal
  - Use Parish Online

Role of Parish Online for Climate Plans

a) Provide data layers
- General (Mastermap, Address Base, Ancient Woodland etc)
- Climate Specific (eg EPC database and Centre for Sustainable Energy Impact Report)
- B&NES layers (EV charging points, Housing Condition Survey)
- Commissioned data (solar potential, Community GSHP schemes etc)

b) Build Action Plans
- As for Neighbourhood Plans (Layers for energy, transport, biodiversity etc)

c) Communicate Action Plan via Public Maps
d) Plot and report progress
e) Share layers between all interested parties (community groups, UI, national agencies etc)

Climate Layers

- ## Energy
  - EPC Scores/Estimates/Potential
  - Insulation Priority Areas
  - Solar (residential and community)
  - Wind (residential and community)
- ## Transport
  - Park and Ride
  - Car sharing
  - Cycle networks and Quiet Lanes
  - Last Mile Delivery

- ## Trees and Biodiversity
  - Tree Planting
  - Access to Woodland
  - Green corridors
- ## Sustainability
  - Recycling
  - Resource sharing
  - Minimising waste

NB: Once defined these layers can be added to all B&NES POL accounts as shared collaborative layers.

CSE Impact Report (overview)
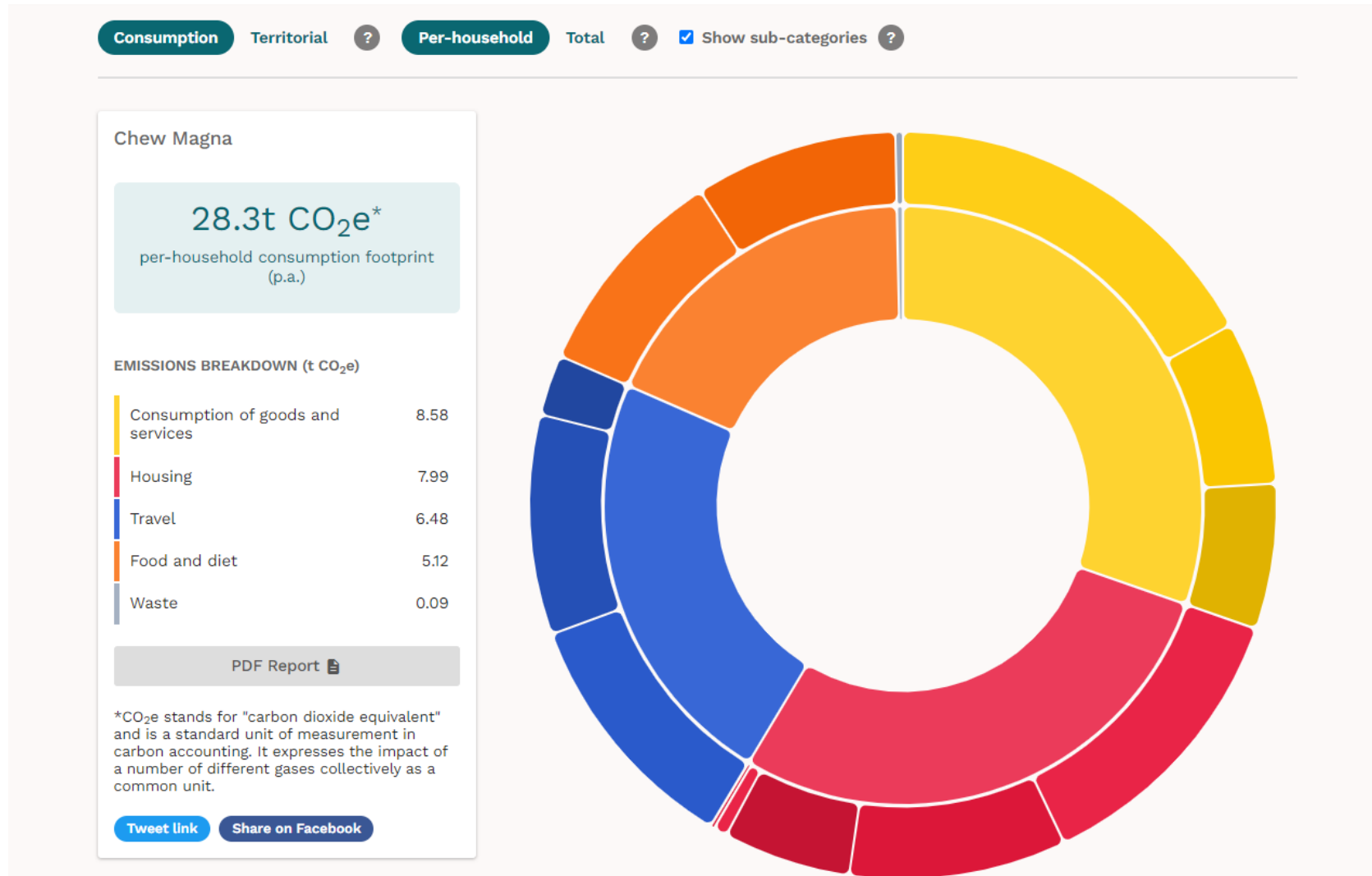
CSE Impact Report (detailed pdf)
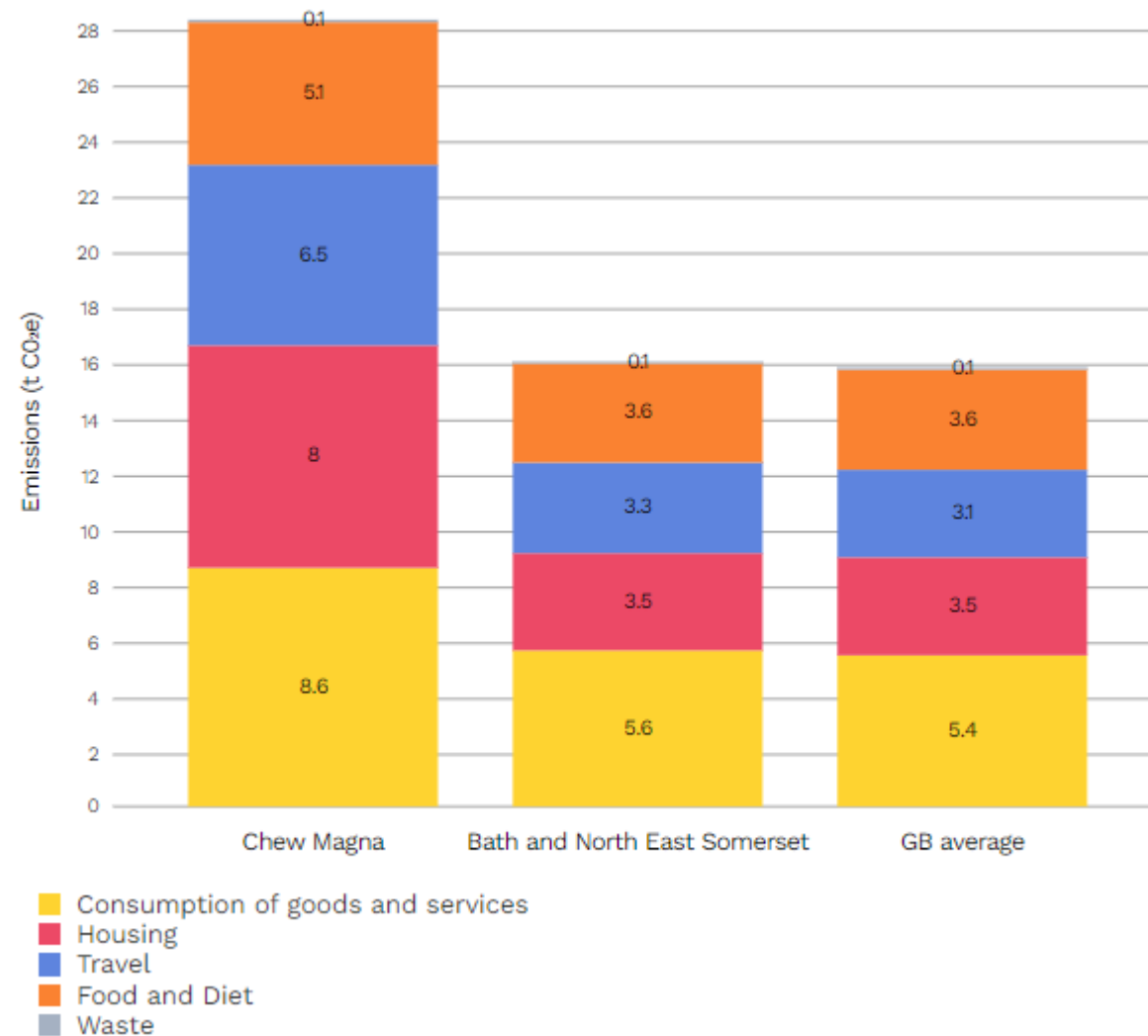
EPC Score
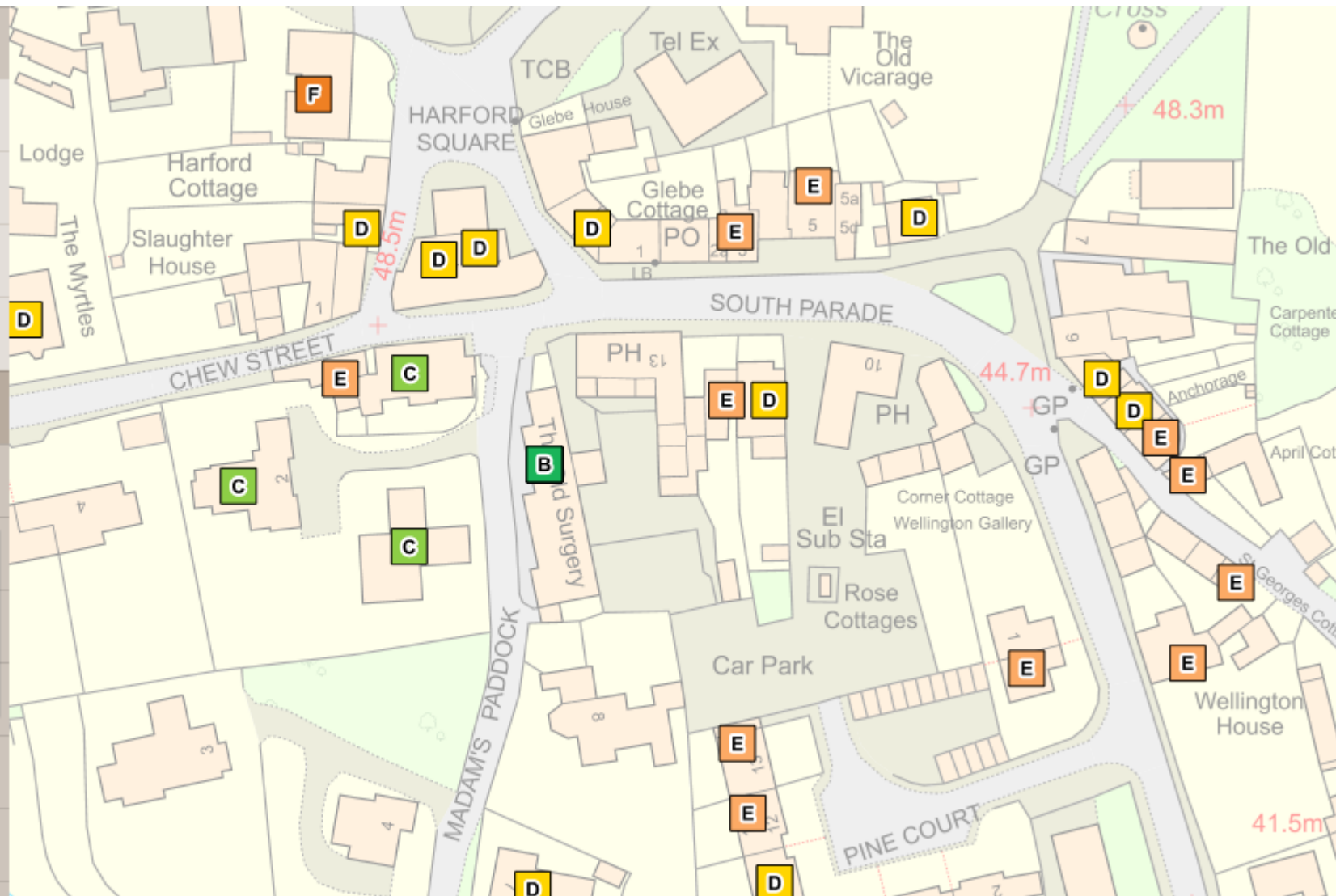
EPC Potential Score Improvement and C+ Potential
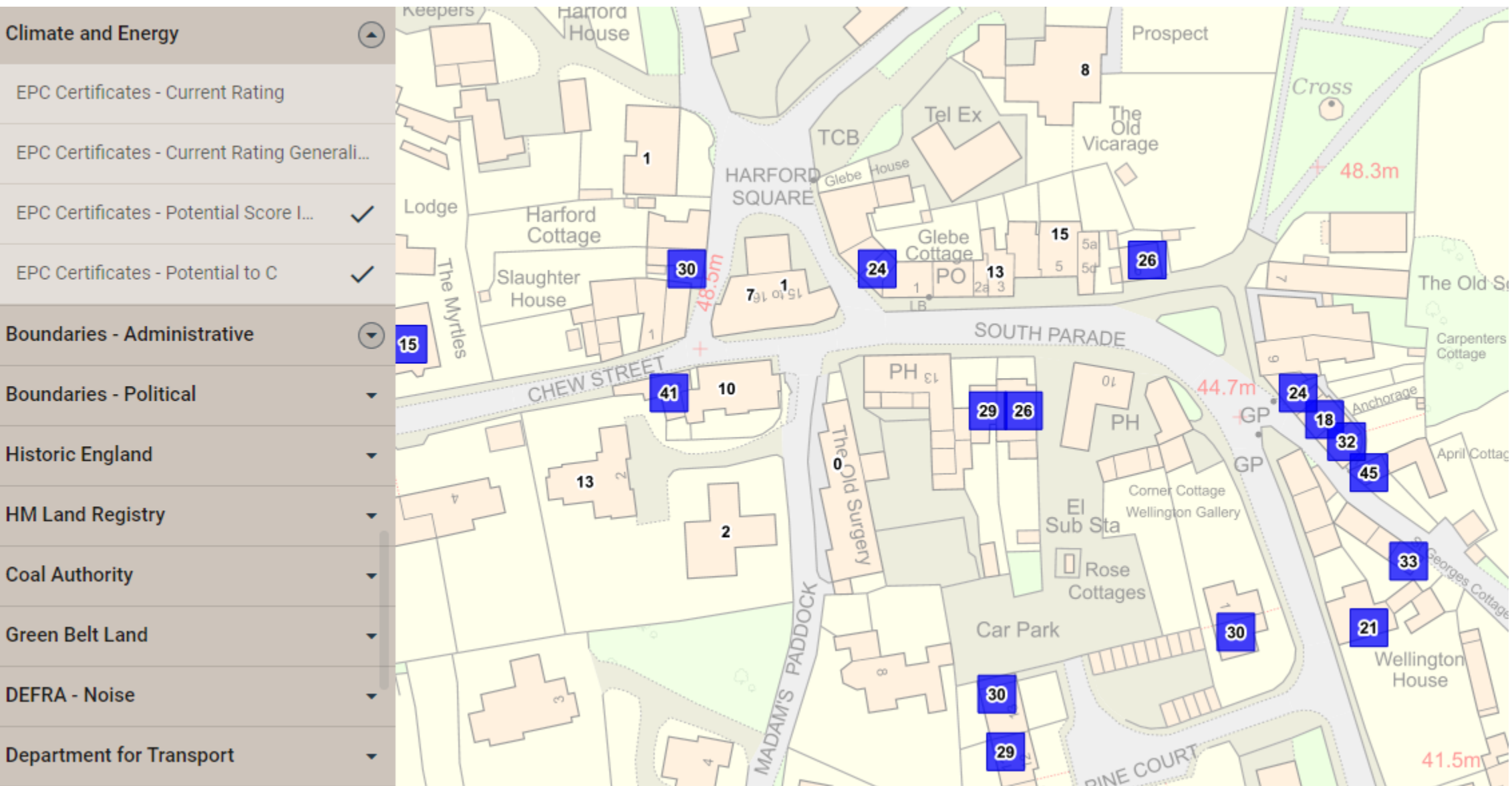
main_heating_controls
2106

multi_glaze_proportion
100

glazed_type
double glazing installed during or after 2002

glazed_area
Normal

extension_count
0

number_habitable_rooms
5

number_heated_rooms
5

low_energy_lighting
100

number_open_fireplaces
0

hotwater_description
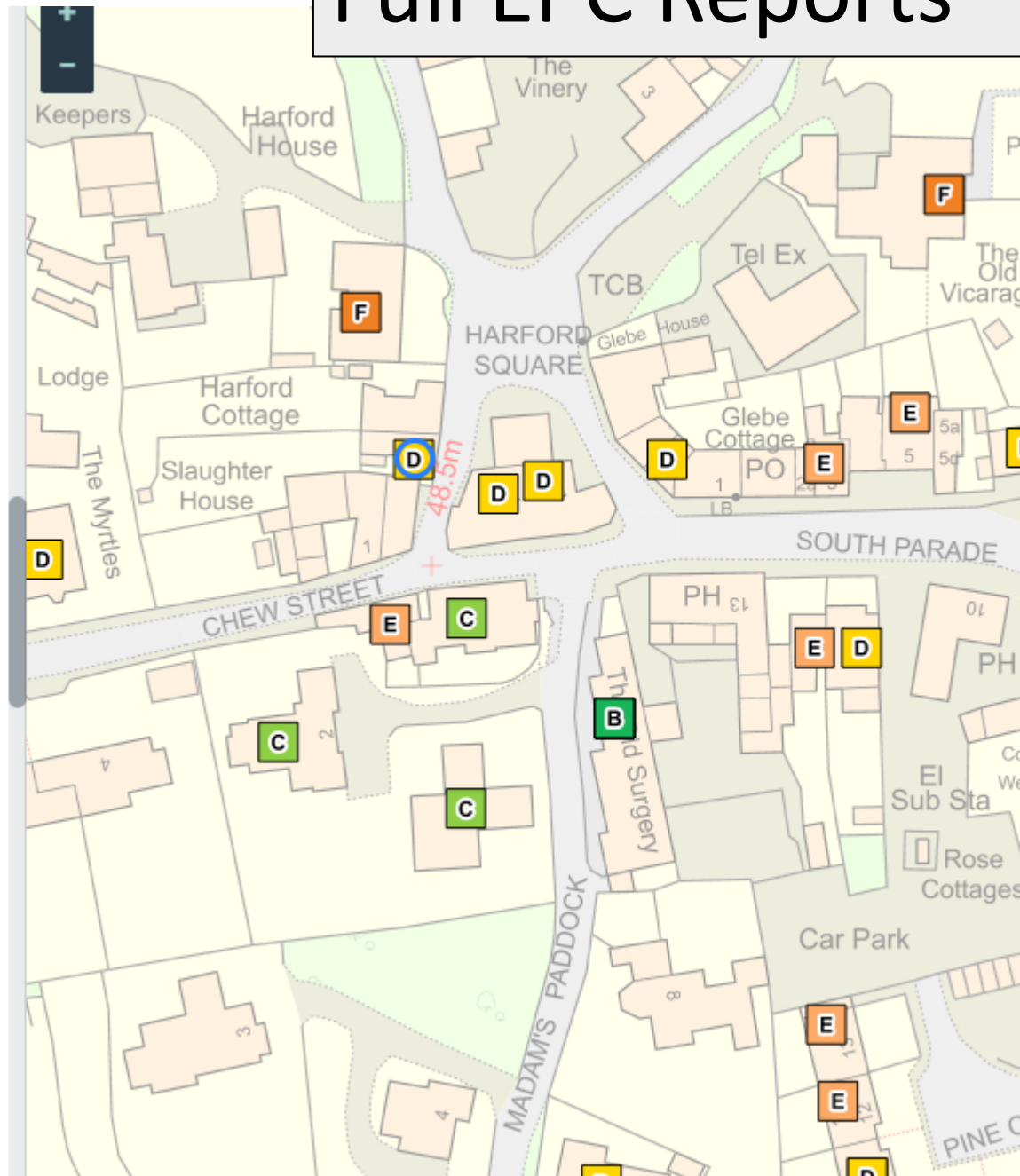Gas range cooker, no cylinder thermostat
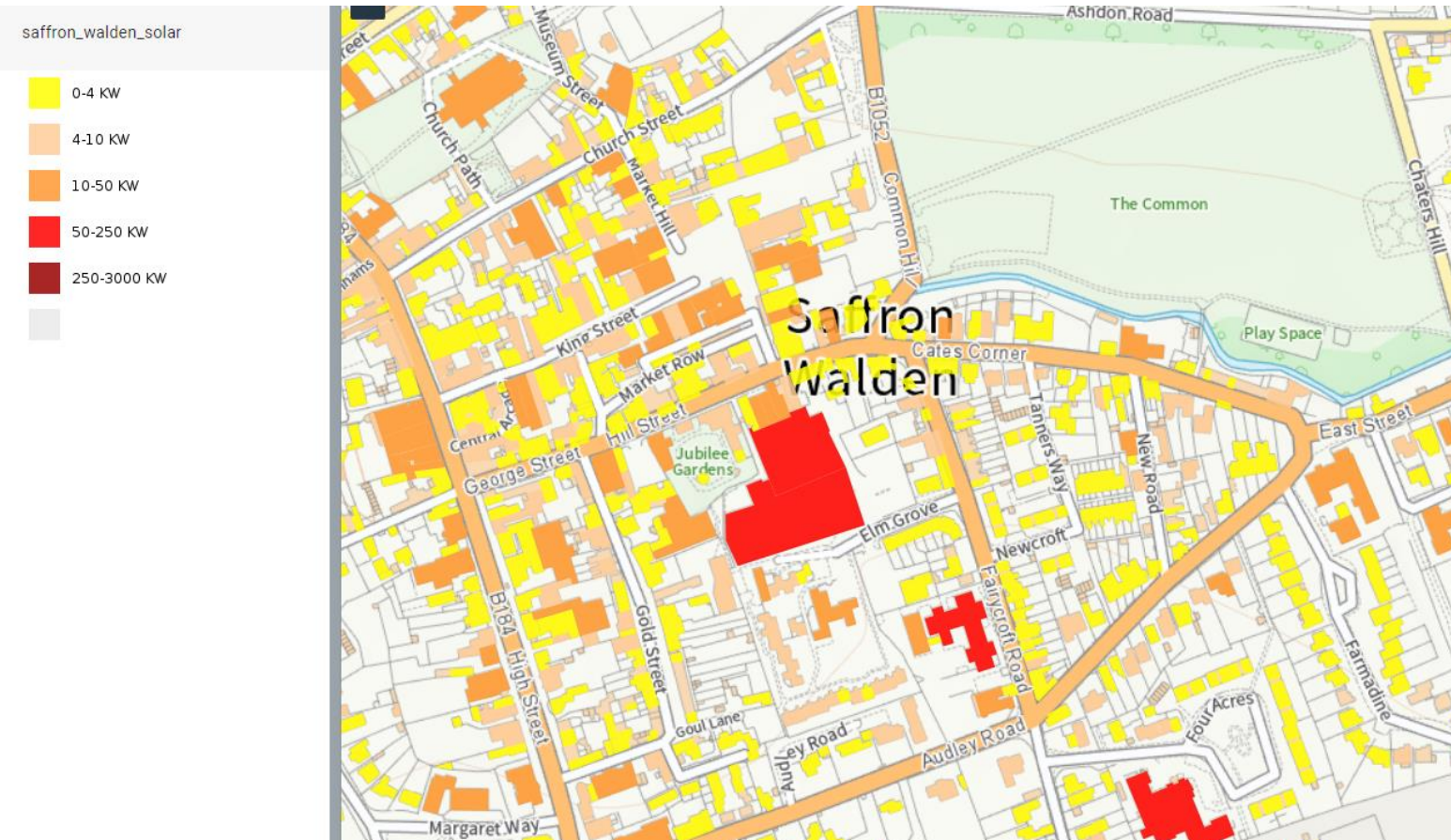
hot_water_energy_eff
Very Poor

hot_water_env_eff
Very Poor

floor_description
Solid, no insulation (assumed)

Full EPC Reports

Solar Potential (Energeo service)

saffron_walden_solar

- 0-4 KW
- 4-10 KW
- 10-50 KW
- 50-250 KW
- 250-3000 KW

Roof Size, Slope and Orientation
- Solar potential
- Environmental and financial benefits calculated

Create Targeted Plan (Grants and Discounts)
- Create layer showing priority areas

Guide Price
- £200 per sq km
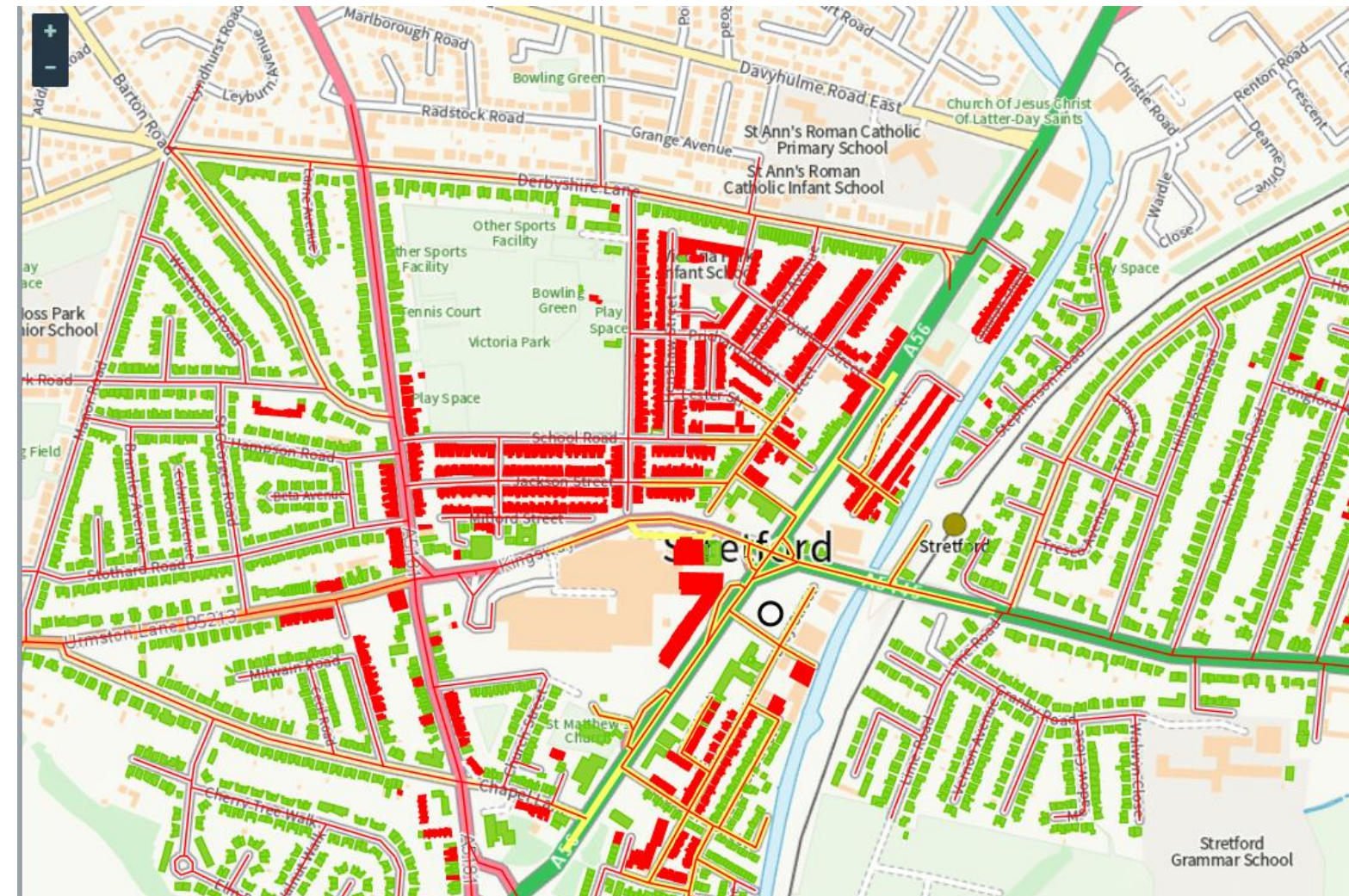
Solar Potential: Map installations to date

Benefits
- AI based detection
- Identify clusters of activity
- Assess potential grid constraints
- Determine potential to co-locate technologies

Guide Price

EV Charging Point Analysis (Energeo Service)

Map houses with (green) and without (red) driveways

- EV charging points only needed for red houses

Locate suitable car parks

- This can serve people within 5 minutes walking distance (in yellow)

Analyse width of pavements

- Install charging points on wide pavements to serve those out of reach of car park

Guide Price

- £90 per sq km

Ground Source Heat Pump Suitability (Energeo Service)

Green = Garden Suitable
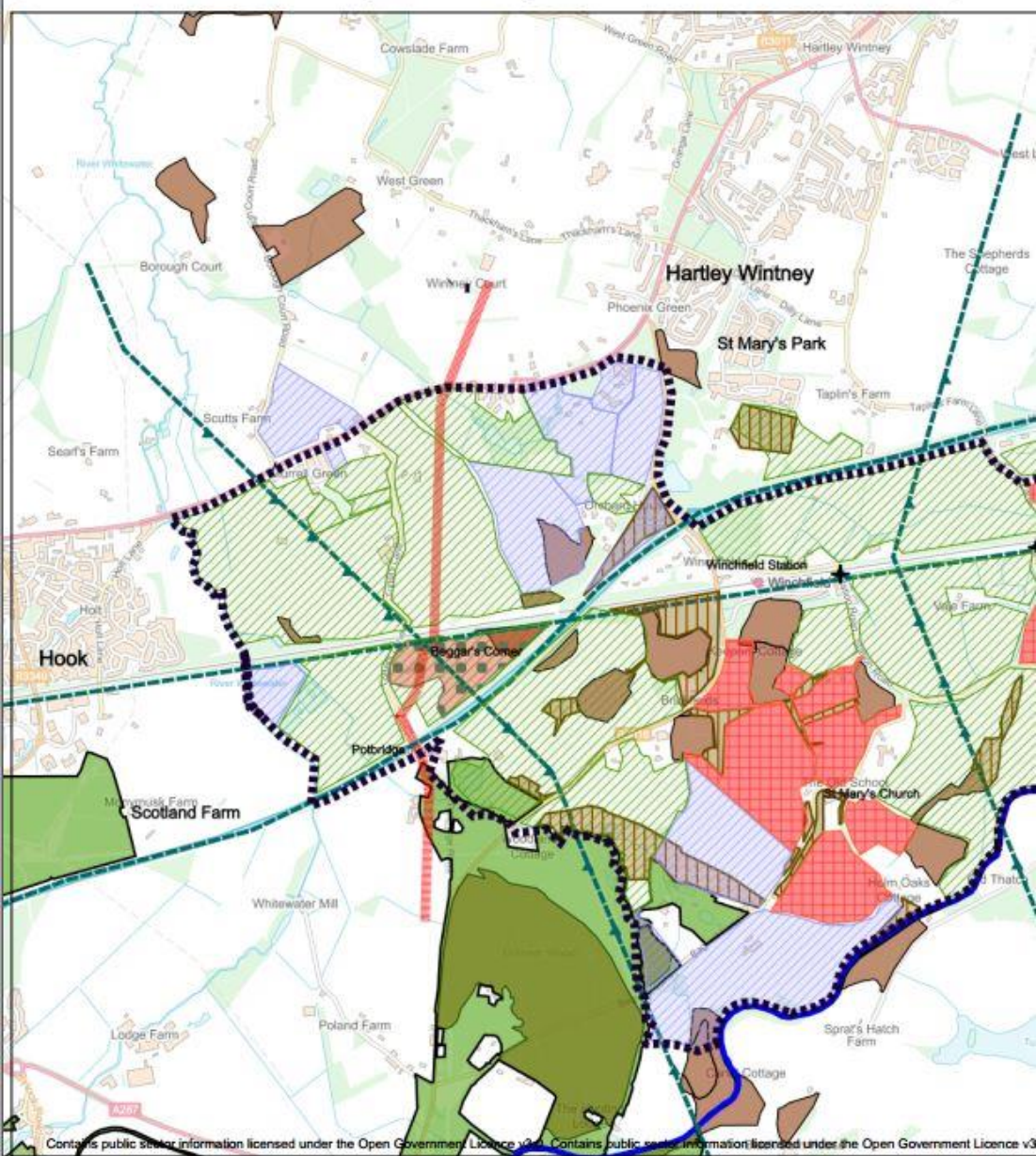Red = Garden Unsuitable
Blue = House Suitable

Individual Property Intelligence
- Capacity & install costs
- Environmental & financial benefits

Guide Price
- £200 per sq km

Geography-Specific Parish Climate Plans

Energy Layers
- EPC scores
- Community Heating
- Boiler upgrading
- Residential Solar capacity/roll out

Transport Layers
- Park and Ride
- Car sharing
- Cycle routes/Quiet Lanes
- Last-mile distribution

Trees and Biodiversity
- Tree planting
- Access to woodland
- Community Orchards
- Allotments

Sustainable Living
- Recycling
- Sharing Resources

Ideas and Next Steps

- Chew Valley work as a team?
- Involve a University?
  - Provide expertise
  - Provide people
- Develop Templates to guide other councils?
- Geoxphere will help as required