

# Providing Electricity Supply Task



You are the planning engineer supplying electricity to a new housing development. Your substation is 10 miles from the location with green land, a main road, gas lines and other residential and industrial developments in the way.

**Your task is to identify the issues and propose a solution.**  
**Use the map to route your power and the worksheet to document your decisions.**

**Green Zone**

There are many trees in this area and the grass land is mostly unspoilt, what is the best solution in your opinion?

**Industrial**

Many utilities run through this area, under the pavements are already crowded and there are too many existing wires overhead. Where can you place the cables? What additional cost might this incur?

**Existing Residential**

People live in this area, what may they be unhappy with?

| Initial problem | Solution | Other considerations |
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