

Chapter 6: Recommended Initial Scale Projects

Scale Projects Background

Holland has embraced the challenge to develop an integrated Community Energy Plan that will deliver transformational results. A key to its success will be engaging in “Scale Projects” at an early stage of the implementation process.

Scale Projects address entire neighborhoods in the City. They represent developments with the size and timing such that guidelines which are in line with the CEP can be applied within relatively large, but contained boundaries. They are large enough to address both energy demand and supply within a single project. They are also projects where the number of decision makers is small. Over time, multiple Scale Projects blend together. This “connecting the dots” creates the City-wide energy transformation.

Scale Projects Summary

Five initial Scale Projects are recommended. Each is aimed at a specific aspect of accelerating the implementation of Scenario B. They were selected on the basis that they meet most, if not all, of the following general criteria:

- Clearly demonstrate a key element of the recommended strategy.
- Have a high probability of being implemented in a timely fashion.
- Have a manageable number of key decision makers.
- Are large enough for technically and economically viable integrated energy solutions
- New business models are possible:
 - Efficiency levels above statutory levels.
 - Distribution – heating, cooling, power, and other.
 - Distributed clean and renewable supplies.
 - Innovative financing.
- Are economically, socially, environmentally and operationally attractive.
- Can potentially link to other Scale Projects.

Four of the scale projects are focused on neighborhoods in Holland, shown in Figure 6.1.

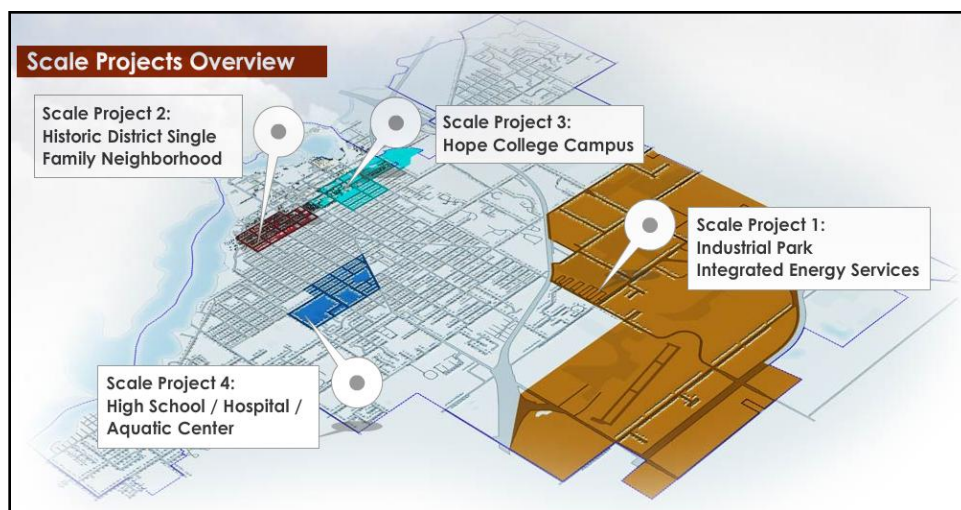


Figure 6.1 Four Neighborhood Scale Projects

Each Scale Project has received a preliminary assessment that indicates the energy strategies that are likely to be successful. For the Hope College Campus and for the Historic District Single-Family