

Excerpt From:
Holland Community Energy Efficiency and Conservation Strategy
September 2011

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Getting into Action

Successful implementation of the CEP recommendations will require the engagement of all parts of the Holland community, sustained and reinforced over many decades. This need gives rise to the following additional recommendations:

Scale Projects

Immediately planning and implementing the five recommended scale projects will jump-start the CEP and allow the community to fine tune the strategies for successful implementation.

SP1: Holland Industrial Park Integrated Energy Services

In SP1, a portfolio of energy services will be developed, specifically tailored to the current and future industrial employers. This will allow these companies to be more competitive and achieve their corporate emissions goals.

SP2: Historic District Single-Family Neighborhood

Holland has over 7,000 inefficient single-family homes which create a major energy demand on the City and these are a major strategic efficiency focus for the CEP. SP2 encompasses about 150 homes as a testing ground for the technical, financial and neighborhood approaches required to tackle this efficiency opportunity in a strategically effective way to add value for HBPW and homeowners.

SP3: Hope College Campus

Hope College has the scale and opportunity to reconfigure its energy supply, distribution and user efficiencies to achieve substantial cost savings and emissions reductions, and to establish new educational opportunities around innovative energy approaches. It is ideally located to be a node in the development of a downtown district heating network.

SP4: High School, Hospital, Aquatic Center

This cluster of significant energy users has the potential to develop both individual —campus— energy plans, and a local neighborhood strategy that can significantly reduce costs and emissions, and can mitigate against some substantial future risks that could adversely affect their financial options. They are well located to be another node of the wider municipal district heating network.

SP5: Initial Downtown District Heating Network

The combination of climate, urban structure and local generation make significant parts of Holland excellent candidates for modern district heating services. This could reduce heating costs and volatility, create new business opportunities for HBPW and contribute significantly to reducing the carbon footprint of the City. This scale project evaluates creating the first elements of the DH network by linking SP3 and SP4 with the De Young site and a few other significant heating users.

The CEP Project Work Team recommends these five scale projects for immediate detailed evaluation with the aim to implement within the first decade of the CEP timeline.