

RECOMMENDATIONS

BLOCK-SCALE ENERGY SYSTEMS

There are several strategies that would allow both public and private buildings within any block to share energy.

SOLAR THERMAL - Solar thermal equipment heats water using solar energy.

- › Use solar thermal on both new and rehabilitated buildings. Office buildings that do not need a lot of hot water can share excess hot water with adjacent residential/hotel buildings that may need more than they can produce individually.

SOLAR PHOTOVOLTAICS (PV) - Solar PV equipment is placed on building rooftops to harness solar energy for building use.

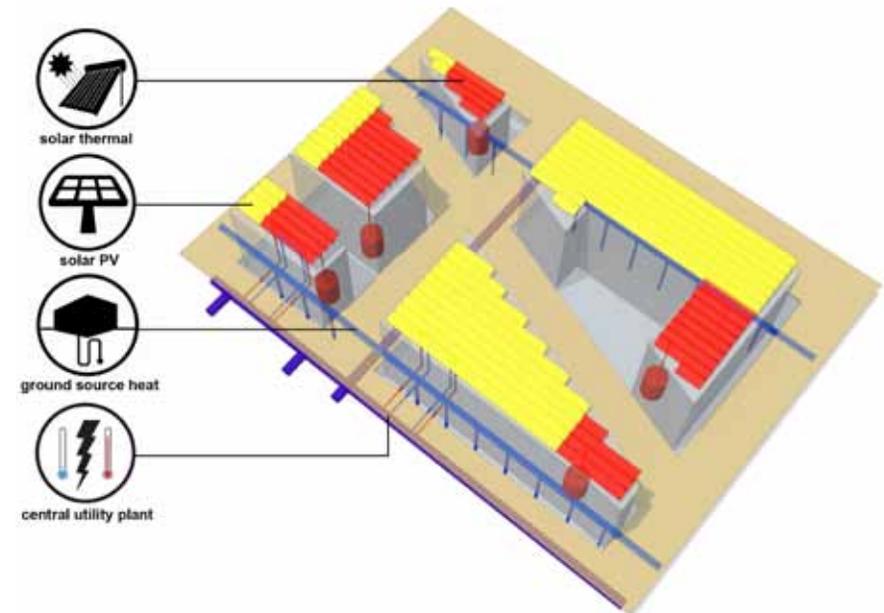
- › Install solar PV on all building roofs and over the freeway between 7th and 9th Streets. The energy from the freeway installation can support energy use in the adjacent block and district.

GROUND SOURCE HEAT - The earth's relatively constant temperature under ground is used to provide heating and cooling for buildings.

- › Use ground source heat technology for new buildings North of C Street on land where large blocks would allow subsurface well fields that do not conflict with existing elevated structures.

CENTRAL UTILITY PLANT (CUP) - At the block-scale, the central utility plant (also see district scale strategies) allows the sharing of heating and cooling between buildings. For example: excess heat from an office building can be used in an adjacent residential/hotel building.

- › All new and rehabilitated buildings (both public and private) should connect to the existing central utility plant.



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