The Six Strategies around Stationary and Transport miss the most significant opportunity to reduce GHG emissions and increase energy efficiency, namely focusing on the intersection of buildings and mobility - Land Use & Transportation.

This January 2011, the EPA released a study entitled “Location Efficiency and Housing Type—Boiling it Down to BTUs. The study found that location efficiency is as important to reduce energy use as are energy-efficiency measures in homes and cars. Undoubtedly the same can be said for commercial buildings and vehicles.

An additional benefit of focusing on land use patterns rather than isolated buildings is that walkable, pedestrian oriented communities also allow much more efficient and robust energy delivery systems once there is sufficient density, diversity and proximity of heating, cooling and power loads. This allows for the development of Smart Energy Districts – cost-effectively utilizing a range of thermally active technologies (geothermal, solar thermal, CHP).

Cheers,

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