

Energy and Resources Group Spring 2009 Colloquium Series (ER295)

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Addressing Climate Change with Energy Efficiency in Building and Industry

Climate change is a serious threat, in large part due to energy use in buildings and industry. Historical examples illustrate partial success in mitigating energy use by increasing efficiency. Significant opportunities to further improve efficiency have been identified which are technologically feasible and economically justified. If those technologies are widely adopted, the energy savings over time will more than compensate for the increased cost to purchase and install them. Besides individual technologies, smart combinations and effective controls can further improve system efficiency. Coupling efficient technologies and systems with carbon-neutral supply and emission-reducing behavior has the potential to limit climate change. Starting efficient, decarbonized behavior now is recommended.

Currently Jim is the head of the Energy Analysis Department where he provides scientific and strategic leadership for one of the world's largest and most experienced groups of energy analysts, whose mission is to compile and analyze energy information for the residential, commercial, industrial and transportation sectors.

110 Barrows Hall / 4:00 p.m.