

BP – Developing new low-carbon alternative energy for the US

By heavily investing in a diverse range of energy sources – including solar, wind and hydrogen power – BP is helping meet America’s energy needs today, as well as ensuring a more secure energy future.



- BP is investing \$8 billion worldwide over 10 years in BP Alternative Energy, a new business that will use solar, wind, hydrogen and natural gas to provide cleaner low-carbon power.

- BP has proposed building a \$2 billion first-of-its-kind hydrogen-fueled power plant in California to deliver enough carbon-free power to the LA-area grid to power around 325,000 homes. The process would convert petroleum coke – a refinery by-product – to hydrogen. Carbon dioxide would be captured and stored permanently in mature oil fields, where it would also help to recover otherwise inaccessible oil.

- BP’s U.S. wind portfolio includes the opportunity to develop almost 100 projects with a potential total generating capacity of some 15,000 MW.

- BP is investing \$97 million to expand the nation’s largest solar manufacturing facility in Frederick, Maryland, which will nearly double its casting and sizing capacity. These processes are used to manufacture silicon wafers, the essential components of solar panels.

- BP is the lead sponsor of the US Department of Energy’s Solar Decathlon, an engineering and architectural university competition to design and construct model solar homes on the National Mall in Washington, D.C.

- BP is working with Northwestern University and other research institutions on solar technology projects.

- BP and the California Institute of Technology have teamed up in a multi-million dollar research program focusing on radical new ways of producing solar cells to make the cost of solar electricity more competitive and to increase current efficiency levels.

- BP is investing more than \$40 million in university-based research programs addressing both emerging energy technology and the environment.

