

1. It would take 5 billion panels to enact plan nationwide

According to the Solarroadways.com article “The Numbers: How much electricity can we really produce?” last accessed March 3, 2010 (<http://solarroadways.com/numbers.html>)

Asphalt roads: 25,000 square miles in the "lower 48" states = 696960000000 square feet. At \$16/square foot, this is a cost of \$11,151,360,000,000 and the cost of asphalt is rising rapidly with the cost of petroleum. This does not include maintenance (pot hole repair, repainting of lines, snow/ice removal, etc.) 4.84 billion (12' by 12') Solar Road Panels would be required to replace the current asphalt road system, parking lots, and driveways in the 48 contiguous states.

2. Each panel cost around Seven Thousand Dollars

Adrian Covert PopularScience.com August 27, 2009 “Solar Panels Built Into Roads Could Be the Future of Energy” (<http://www.popsci.com/scitech/article/2009-08/solar-panels-built-roads-could-be-future-energy>)

The Department of Energy just gave \$100,000 to upstart company Solar Roadways, to develop 12-by-12-foot solar panels, dubbed "Solar Roads," that can be embedded into roads, pumping power into the grid. The panels may also feature LED road warnings and built-in heating elements that could prevent roads from freezing. Each Solar Road panel can develop around 7.6 kwh of power each day, and each costs around \$7,000.