



















PV only makes sense in high insolation areas

- Certainly true that PV modules can produce twice as much energy in high desert areas
- But larger transmission costs and transmission losses
- Distributed systems remove costs of transmission and metering, transmission losses, administration and taxes

Montana State University: Solar Cells Lecture 10: Summary Photovoltaic Myth #7

- PV involves toxic materials
 - Minimal toxic materials in silicon solar cells, but used in the purification and processing
 - The silicon purification technology is well controlled based on decades of experience from the integrated chip industry
 - Future recycling of modules will further reduce environmental impact

Montana State University: Solar Cells Lecture 10: Summary 12

Photovoltaic Myth #8 PV consumes valuable land area Large projects use land that is not suitable for other applications There is still a huge supply of unused roof, building, facade, and sound barrier space



