

Solar 101

The Case for Solar



PV isn't perfect...



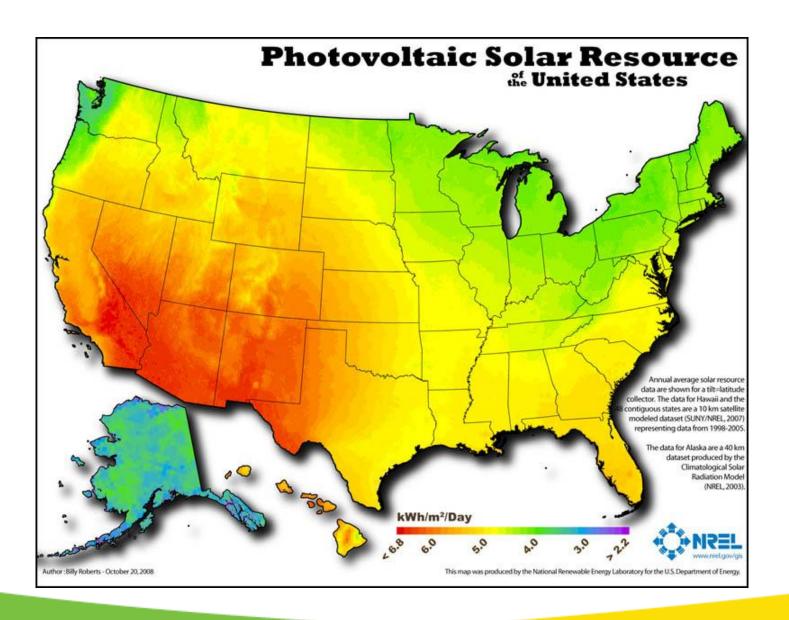
Solar energy doesn't reach the earth's surface on an exact schedule. Weather place a large role in PV generation estimating.

Sunsets are beautiful but we cannot generate electricity through PV at night.





Variable Resource

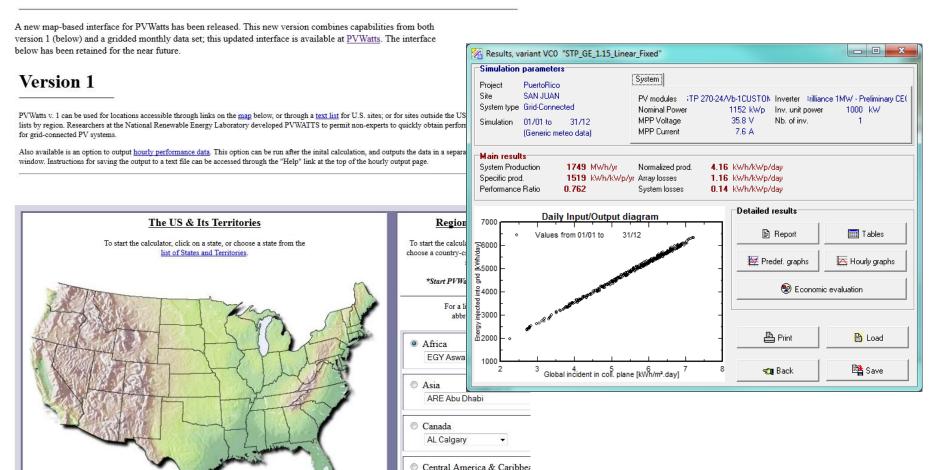




Predicting Solar Output



A Performance Calculator for Grid-Connected PV Systems





Why Solar?

No Fossil Fuels

- Once a PV System is installed it produces "clean" electricity. It uses sunlight as its fuel so it is completely renewable and does not produce harmful emissions.

Simplicity

- PV systems have no moving parts and do not require continuous maintenance. They can also be deployed to almost any area in the world.

Longevity

- Solar modules have long warranties and have been proven to Last for more than 40 years. As long as the sun continues to shine, a PV system will unobtrusively produce green electricity.

Safety

- Because there is no fuel, there is no danger in working with harmful chemicals or highly flammable and combustible materials.

Recyleability

- PV systems use basic materials such as silicon, copper, steel and aluminum. They can have a very low environmental impact and can be reused or recycled at the end of their useful life.

