



# SOLAR ENERGY FEASIBILITY AND DEVELOPMENT

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**ARM Group Inc.**

Earth Resource Engineers  
and Consultants

Demand for solar energy is accelerating as many states add solar power to their renewable/alternative energy portfolio standards. The current administration in Pennsylvania has passed a law requiring 860 megawatts of solar power be produced in state, and Maryland has passed legislation that will make Maryland one of the nation's largest solar energy markets by requiring the state's retail electricity suppliers to obtain at least 1400 megawatts from solar sources. Utilities and other businesses are working hard to meet the solar energy production goals of the various portfolio standards.

With solar panel costs dropping and the value of renewable energy credits and government subsidies rising, the economics of solar energy are becoming increasingly competitive with traditional energy sources. This is especially true for sites/businesses with ample space and relatively high electrical consumption.

ARM's engineers can assist in adding solar energy production capacity to a variety of sites by offering a comprehensive 'one stop shop' project management service, bringing together a team of expert professionals capable of ensuring the successful development and realization of solar energy projects.

## Services

- ☀ Solar Power Feasibility Studies including:
  - Project Funding Availability (Grants, Loans, Tax Credits)
  - Solar Panel Technologies Evaluation
  - Assessment of Annual Energy Production Potential and Associated Energy and Cost Savings
  - Determination of Greenhouse Gas Emissions Reductions and Environmental Equivalency Benefits
- ☀ Site Selection and Optimization
  - Grid Connection Issues
  - Structural Integrity of Mounting Surfaces
  - Ground Mounting Design Engineering
  - Shading and E&S Controls Considerations
- ☀ Conceptual/Final Layout and Design
- ☀ Preparation of Contract Documents
- ☀ Installation
- ☀ Construction Quality Assurance and Project Management



From municipal authority sites and schools wishing to supplement their energy consumption with solar power, to large multi-megawatt commercial-scale projects covering many acres, ARM has the capabilities and know-how to convert your site's solar radiation into usable and economical electricity. Speak with an ARM representative about how to optimize the solar resources at your site, reduce your energy costs and greenhouse gas emissions, and set an example of responsible environmental stewardship for your local community.