



# Los Angeles Mission College *Solar Panel Energy Generating Farm*

## Media Contacts

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**Project Budget:** \$1.9 million  
**Funding:** Bond Construction Program  
**Size:** 17,000 sq. ft.

## Features

- Located on the roof area of Parking Structure A, which was completed in June 2007, Los Angeles Mission College's (LAMC) newly completed project was fitted with a photovoltaic farm to generate enough electricity to meet the energy needs of the structure.
  - The PV farm consists of approximately 1,128 photovoltaic modules, which produce a maximum of approximately 178 kW (178,000 watts) during peak day time sunshine periods.
  - The new solar farm generates enough electricity to power between 150-200 average homes.
  - A 225 kW power inverter converts generated power and feeds it to an electrical switchboard located on the ground floor of the Parking Structure. From there, the on-site renewable power is available for use throughout the campus to locations that are normally served by the Los Angeles Department of Water and Power (LADWP).
  - The project will produce an estimated 233,000 kWh on a yearly basis – eight percent of LAMC's total annual energy usage.
  - The energy generated from this project will contribute to the five to seven percent minimum requirement for on-site renewable energy generation within other new LEED buildings being developed on campus under the bond construction program.
  - The solar panels cover a total of 16,928 sq ft. -- roughly the size of a professional ice hockey rink.
  - LAMC currently spends an average of \$375,000 a year on energy costs, which accounts for three percent of the District's total annual energy costs.



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- As a result of this new PV farm, Los Angeles Mission College estimates that it will see a reduction to their energy bill of approximately \$80,000 per year.

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