Solar Power at Maryland DOT
About MDOT

BUSINESS UNITS
The Secretary's Office (Headquarters)
Aviation Administration
Highway Administration
Motor Vehicle Administration
Port Administration
Transit Administration
Transportation Authority
Annual Energy Consumption

UTILITY
- 395,000 MWh
- $35M
- 275K MT CO2E

SOLAR
- 2,300 MWh
- $265K
- 1.6K MT CO2E
Why Solar?

**SOCIAl**
Reliable and resilient energy source
Improved public health

**ENVIRONMENTAL**
Greenhouse gas emission reduction
Water pollution reduction

**ECONOMIC**
Local, well-paying jobs
Affordable, stable energy prices
State & Federal Incentives

- **RENEWABLE PORTFOLIO STANDARD**
  - 50% by 2030
  - 14.5% solar carve out

- **GREENHOUSE GAS REDUCTION ACT**
  - 40% by 2030

- **COMMUNITY SOLAR**

- **NET METERING**

- **ENERGY ADMINISTRATION GRANTS**

- **INVESTMENT TAX CREDIT**
  - 30% until 2019
  - 26% until 2020
  - 22% until 2021
  - 10% thereafter

- **5-YR MODIFIED ACCELERATED COST RECOVERY SYSTEM (MACRS)**
Master Services Agreement

- Designed to promote innovation and competition
- 5-year contract, 2-year renewal
- Qualify master contractors
- Secondary competition for tasks
- Power purchase & license agreements (25-year term)
- Energy performance, storage, microgrids, electric vehicle charging
- Buyout option
- Cooperative agreement