



# Montgomery County Microgrids

# What is a Microgrid ?



## Energy-Efficient

Reuses waste  
heat from  
power  
generation to  
heat building



## Resilient

Independent  
of grid – power  
stays on  
regardless of  
storms



Reduces  
greenhouse  
gas  
emissions



## Sustainable

Innovative  
financing  
through  
public-private  
partnership



## Cost-Effective

Public Safety Headquarters



Montgomery County Correctional Facility



## Microgrids will:

- Generate 3.4 million kWh solar energy annually
- Use combined heat and power (natural gas generator and recaptured waste heat)
- Reduce greenhouse gas emissions 3,629 metric tons annually

## Public Safety Headquarters

- 2 MW solar car canopy
- 800 kW CHP
- Med Voltage/Low Voltage upgrade
- Controls
- Cyber Security
- Operations and Maintenance

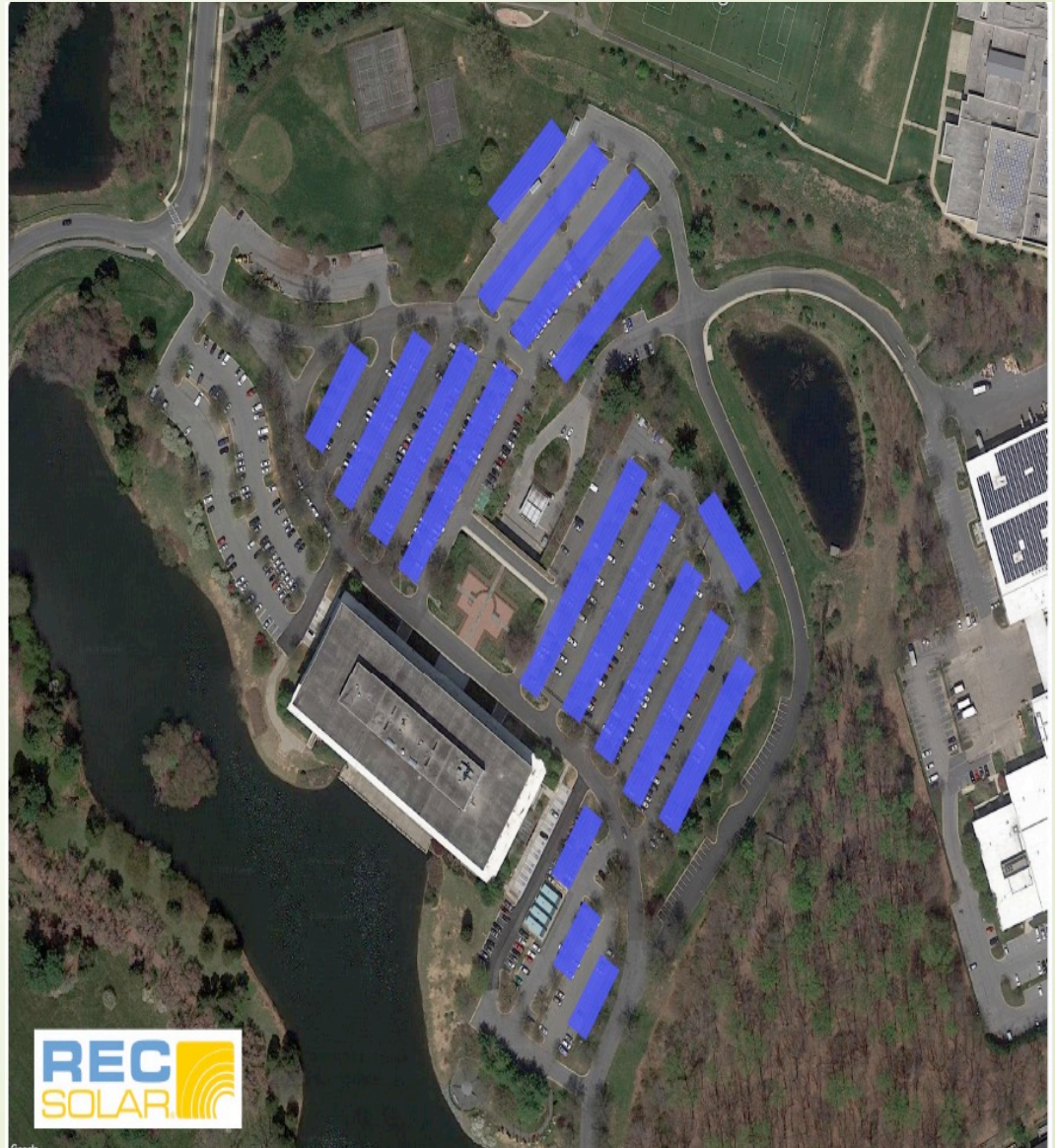
Car Canopy Example  
(Holiday Park Senior Center)



Public Safety Headquarters



## Public Safety Headquarters



## Montgomery County Correctional Facility

- 220 kW CHP
- Controls
- Cyber Security
- Operations and Maintenance

Montgomery County  
Correctional Facility

