

Aeronautics Report

Administrator Denise Garcia

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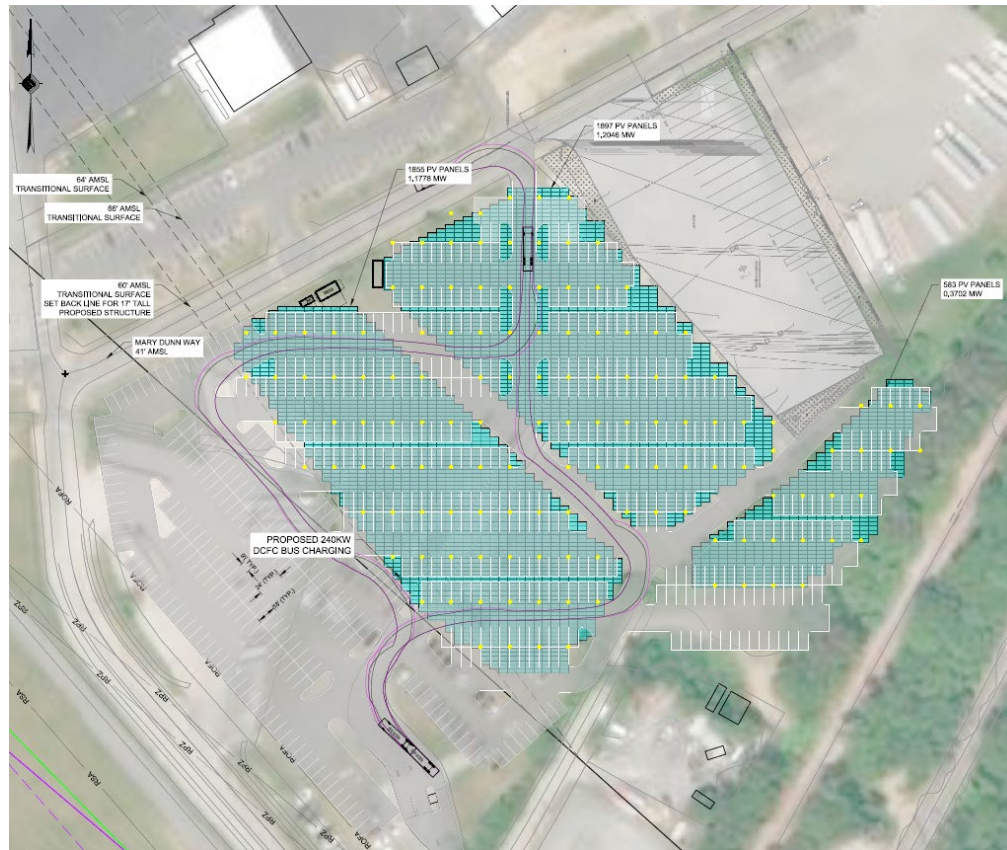


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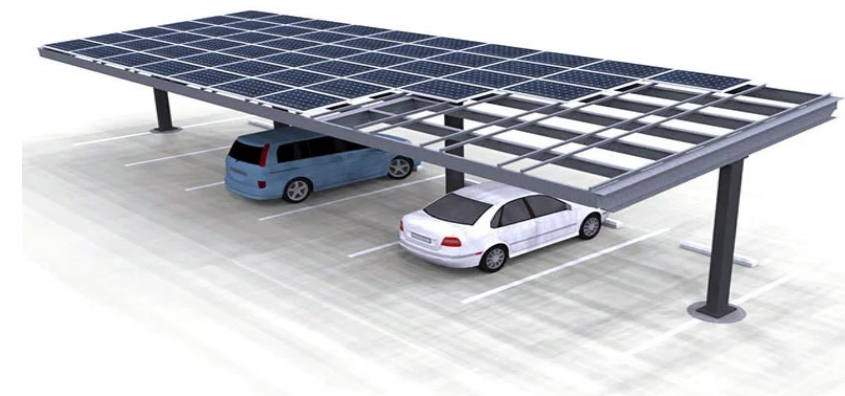
3. SMART Microgrid at Cape Cod Gateway Airport (HYA)
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Smart Microgrid at Cape Cod Gateway Airport (HYA)

MassDOT Aeronautics received a \$1.95M grant from the USDOT SMART Grant Program



- Received grant to plan, preliminary permit, and execute a conceptual design for a smart microgrid
- The project includes a smart microgrid controller, solar panel canopy structures, battery energy storage system, and natural gas / hydrogen back up generator
- Aeronautics is requesting a grant extension from USDOT to complete additional design work



Airport Support During Extreme Winter Weather

Working together to maintain a safe and efficient airport System

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- Aeronautics provided updates from NWS and MEMA to public-use airports
- Operations maintained the State Transportation Status Board for airports through WEB-EOC portal
- Ensured airport NOTAMS (Notice to Airmen) were updated in a timely manner to maintain standards
- Coordinated with MEMA & Highway Division to assist Plymouth with crucial snow removal equipment
- Aggregated information from affected airports for post storm debrief and lessons learned for 16 airports

Wildlife Hazard Assessment and Fencing

Wildlife management at airports ensures aviation safety

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- In advance of a new fencing project, Gardner Airport conducted an FAA-required Wildlife Hazard Assessment (WHA)
- Findings of the WHA indicated that deer present the highest safety risk to aviation at Gardner Airport
- This risk will be managed through repair and expansion of existing airport fencing



USS Massachusetts Commissioning

Supporting Massport with tethered-drone coverage at Seaport event



- **Persistent Aerial Surveillance:**
Used a tethered drone system, to provide continuous, long-endurance security analysis
- **Dynamic Tactical Feed:**
Delivered a real-time video stream directly to the Operations Center
- **Interagency Synergy:**
Served as a primary coordination hub for multiple law enforcement agencies

Thank You

