

Reedy Creek Improvement District Walt Disney World Solar Facility – 5MW



Reedy Creek Improvement District (RCID)

Overview

- Established 1967 by Florida Legislature
- Authority to Provide Governmental Services
 - Drainage, Flood Control, Environmental Protections, Mosquito Control
 - Roadway Construction and Maintenance, Parking Garages
 - Building Codes and Inspection
 - Utility Services (Electric, Natural Gas, Water, Wastewater, Reuse Water, Chilled Water, Hot Water, Solid Waste, Recycling)
- Funding Through Ad Valorem Taxes and Utility Revenues
 - Walt Disney Parks and Resorts Primary Tax Payer and Utility User
 - Orange County and Osceola County Receive Ad Valorem Taxes From Property Owners Within RCID
- Facts
 - 24,747 Acres (38.7 Sq. Miles), Two Cities, Unincorporated Areas
 - 44 Roadway Bridges, Three Pedestrian Bridges, 174 Roadway Lane Miles
 - 67 Miles of Drainage Canals, 20 Water Control Structures, 2,000 acres of Waterbodies
 - 8,245 Acres of Water/Wildlife Management & Conservation Areas

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Walt Disney World® Solar Facility



Duke Energy is committed to advancing solar energy and providing our customers more options, products and services for renewable energy. We plan to build more solar facilities, 750 megawatts, in the next 10 years to meet the growing energy needs of our diverse customer base.

The Walt Disney World Solar Facility is 5 megawatts and serves the Reedy Creek Improvement District and the needs of Walt Disney World Resort®. The solar facility, located near World Drive and Epcot Center Drive, has more than 48,000 solar panels in the shape of a “not-so-hidden-Mickey” (three circles that resemble Mickey Mouse). The power generated is enough to supply some of the daily power needs to nearly 1,000 average residential solar rooftop systems.

The facility is part of a 15-year power purchase agreement with Duke Energy Florida Solar Solutions LLC, a subsidiary of Duke Energy, and is owned and operated by Duke Energy. All of the energy from the solar power plant will be sold to the district to meet its energy needs.

Walt Disney World® Solar Facility Characteristics

Size	5 MWac/5.4 MWdc
Acreage	22
Annual output	8,700 MWh
Number of PV modules	48,820
In-service date	March 2016
General location	1675 Epcot Resorts Blvd., Lake Buena Vista, FL 32830 (Orange County)
Latitude/longitude coordinates (can be entered on Google Maps)	28°23'6.26"N 81°33'49.71"W

Note: Solar panels produce direct current (dc) that's converted to alternating current (ac) for use on the grid.



www.duke-energy.com/solar

Reedy Creek Improvement District RIB Site Solar Facility – 50MW

- Size – 50MW
- Acreage – 270 Acres
- Annual Output – 120,000 Megawatt Hours
- Projected In-Service Date – December 31, 2018
- Design – Single Axis Tracking
- Approximate Number of PV Panels – 500,000
- General Location – Intermixed Within RCID's Rapid Infiltration Basin Site, East of the 429 Toll Road and North of Western Way

Reedy Creek Improvement District



Questions?