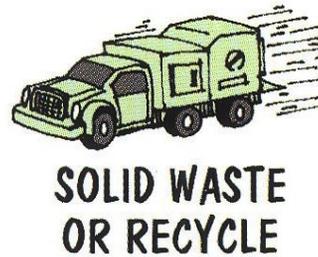
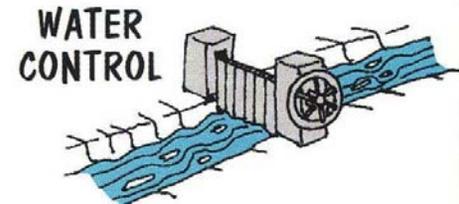
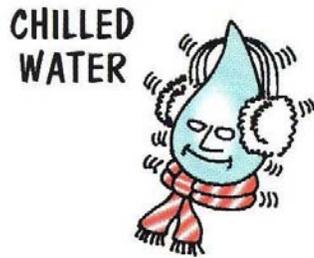
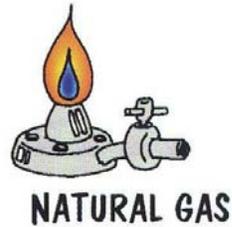
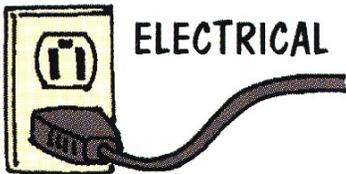




**The Reedy Creek  
Improvement District**

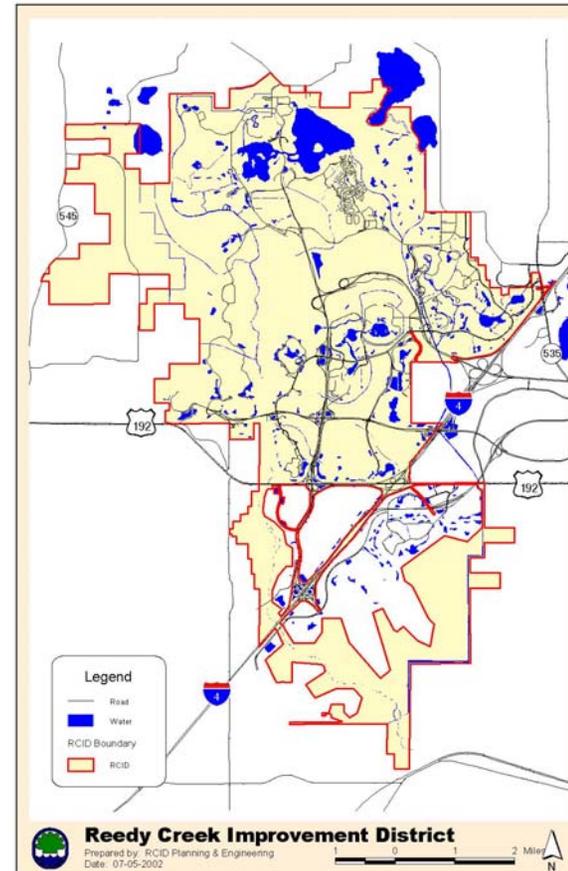
Reedy Creek Energy Services  
Reliable Magic

# Diversified Utility Services



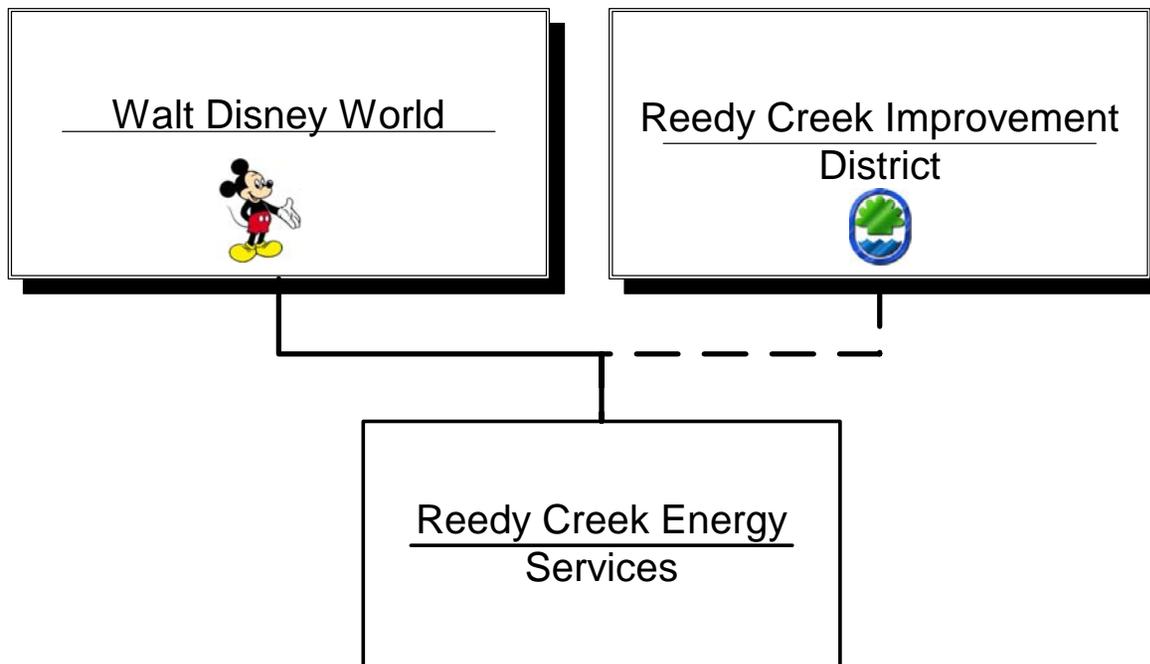
# Service Area

- 38 square miles



# Reedy Creek Energy Services

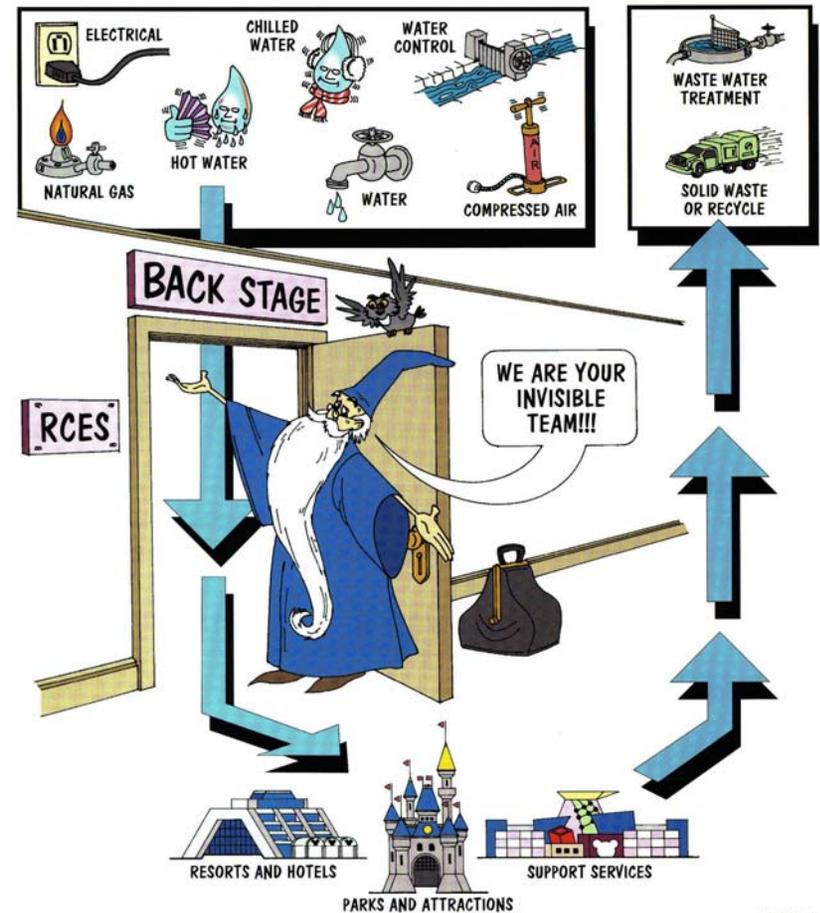
- Contractor to the Reedy Creek Improvement District



# Unique in Utility Industry

## MISSION

- Invisible
- Close to Customers
- Highest Reliability

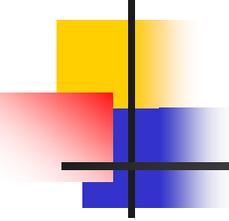


# Unique in Utility Industry

- Operate 7 days, 24 hours
- Workforce: 320 skilled, well-trained people
- Strict regulatory environment



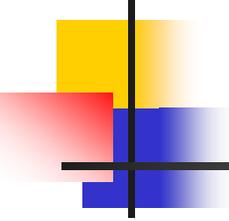
**Florida Public Service Commission**



# Drinking Water

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- Supplied from 12 wells on property - Floridan Aquifer
  - Excellent water quality
    - Chlorination only
  - 68% of water returns as sewage to wastewater treatment facility



# Wastewater Treatment

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- 15 MGD annual average daily flow
  - 100% of treated wastewater becomes reclaimed (reuse) water
  - Solid residuals dewatered and composted

# Reuse/Reclaimed Water

- Irrigation
- Cooling Towers
- Vehicle Washing

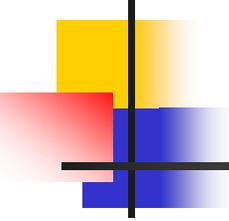


Storage Tanks (15 million gallons)

# Solid Waste Services

- Fleet of 24 trucks
  - 24 hours/day, 7 days/week





# Solid Waste Services

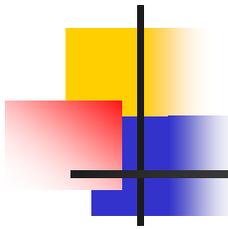
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- Collect 133,000 tons annually for disposal & recycling
  - 11,000 tons recycled
  - 2850 tons wood and yard waste chipped for blending in compost
- In-vessel Food composting facility

# Chilled Water

- Meet air conditioning demands
- Manage chiller plants
- 40,000 Ton Capacity





# High Temperature Hot Water

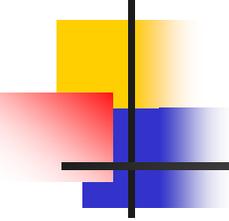
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- Average temperature of 350°F
- Provided to Magic Kingdom and resort hotels
  - Building heat
  - Domestic hot water
  - Chilled water production

# Other Services

- Water Control - Drainage
- Canal System Maintenance
- Roadways & Signs





# Natural Gas Distribution

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- Primary fuel for Co-generation plant
- Heating
- Cooking
- Auxiliary boilers
- Swimming pools

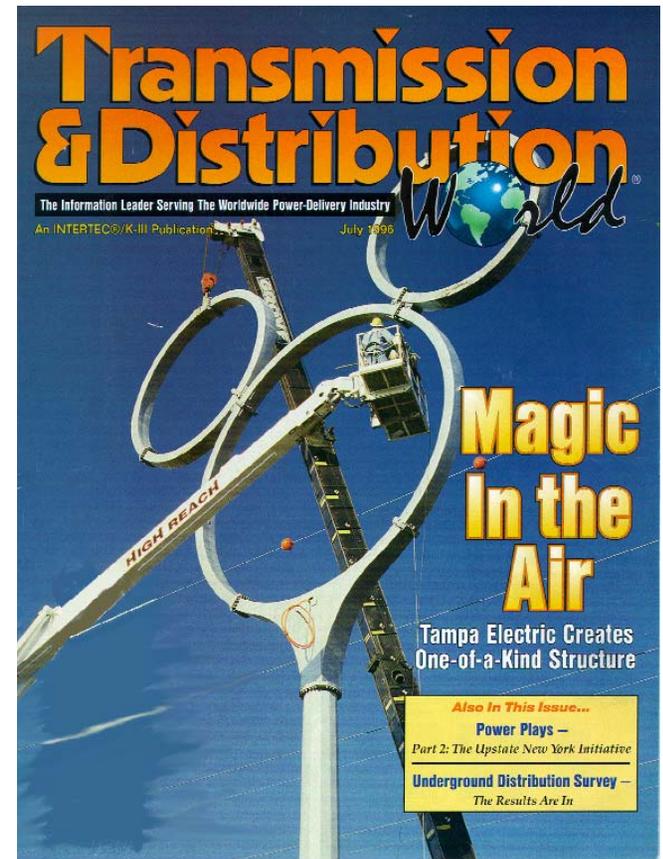
# Electric Generation & Distribution

- Purchase about 75% of power needs
- 196 MW peak load
- Remaining 25% of power needs (52.5 MW)  
Combined cycle co-generation plant



# Electric Generation & Distribution

- 25 miles of 69 kV lines
  - 14 miles underground
  - Aesthetics, security, reliability
- 290 miles of underground 12 kV feeders



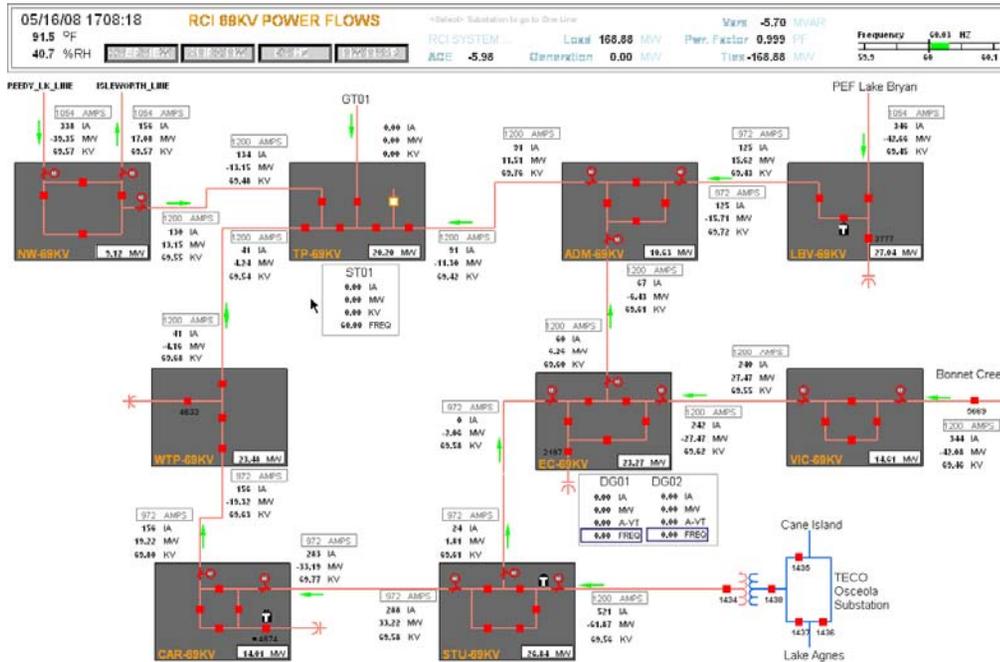
# Electric Distribution

- Nine 69 kV substations

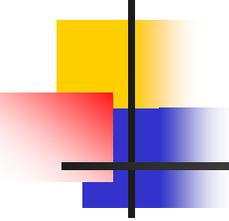


# Electric Distribution

- Energy Control Center



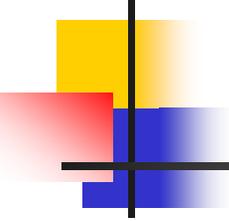
24 hour coverage



# Distribution Switchgear

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- Metal Enclosed Switchgear
  - Switching Stations
  - Unit Substations



# Distribution Switchgear

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- 15 kV Metal Clad Switchgear
  - Arc-resistant
  - OSHA 1910.269
  - IEEE C37.20.7

# Distribution Switchgear

- Special Cases
  - Simple Switching Points
  - Gas Insulated with Fault Interrupters



# Distribution Switchgear

- Special Cases
  - Mixed Gear



# Reliability That Never Stops

- Main Street USA



# Low-Voltage Switchgear

- Unit Substations
  - Epcot Energy & Wonder



# Low-Voltage Switchgear

- Unit Substations
  - Indoor double-ended



# Low-Voltage Switchgear

- Outdoor Switchboards
  - Animal Kingdom Conservation Station



# Low-Voltage Switchgear

- Motor Control Centers
  - Energy Plants



# Automation Networking

- System Control



# Automation Networking

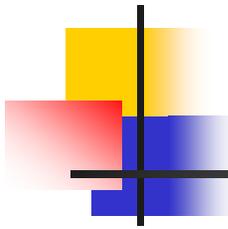
- Distribution Automation



# Automation Networking

- Process Control Systems
  - Pump Station B MCC



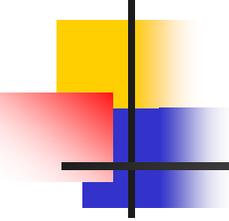


# Reedy Creek Energy Services

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*THANK YOU!*



# Reedy Creek Energy Services

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*Questions?*