2015
UDI Directory of Electric Power Producers and Distributors

123rd Edition of the Electrical World Directory

Ellen Flynn Giles, EDITOR
Kathy L. Brown, ASSISTANT EDITOR

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Table of Contents

High-Voltage Transmission System of North America ..............v
Overview ............................................................................vi
Glossary of Terms, Abbreviations, and Symbols.................................viii
Key Utility Mergers and Acquisitions
(1995-Present) ......................................................................xvii

United States Utilities
Alabama ..............................................................................1
Alaska ................................................................................25
Arizona ..............................................................................52
Arkansas ..............................................................................72
California ..........................................................................88
Colorado .............................................................................125
Connecticut ..........................................................................151
Delaware .............................................................................160
District of Columbia ............................................................166
Florida ................................................................................169
Georgia ...............................................................................197
Hawaii ................................................................................235
Idaho ...............................................................................238
Illinois ...............................................................................250
Indiana ...............................................................................279
Iowa ...............................................................................320
Kansas ...............................................................................384
Kentucky .............................................................................434
Louisiana .............................................................................458
Maine ...............................................................................476
Maryland .............................................................................482
Massachusetts .....................................................................487
Michigan .............................................................................509
Minnesota .............................................................................537
Mississippi ...........................................................................605
Missouri ...............................................................................627
Montana .............................................................................677
Nebraska .............................................................................691
Nevada ...............................................................................742
New Hampshire .................................................................751
New Jersey ..........................................................................758
New Mexico .........................................................................764
<table>
<thead>
<tr>
<th>State/Region</th>
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NERC Regions and Major Transmission Lines

NERC Regions

- NERC
- WECC
- MRO
- ERCOT
- SPP
- NCECM
- SERC
- RFC
- WECC
- NPCCC
- MRO NPCC
- NPCCC

Transmission Lines
Voltage >= 230kV

www.maps.platts.com
Overview

This directory lists key personnel, financial, production and system configuration data for nearly 3,600 regulated U.S. and Canadian utilities, as well as major non-utility generating companies and service providers. All companies were surveyed directly and, where applicable, their responses were reconciled with and supplemented by data from public filings. All financial and production data reflect FY 2012 or FY 2013 operations. Utility mergers, acquisitions and name changes are cited in a separate table, and listings of associations, agencies and commissions, reliability councils, power pools and independent system operators (ISO/RTO) are provided along with a glossary of industry terminology and abbreviations in use in the directory. A map of the domestic high-voltage transmission system is also included in this edition.

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Glossary of Terms, Abbreviations, and Symbols

I. COMPANY CLASSIFICATION

Primary listings for utilities appear within the state/province where they are headquartered with cross-references to other states in which they have generating plants or service territories. If the listing for a company is a cross-reference and not a primary listing, the company name is printed in italic with a notation to refer to the primary listing for further information. The cross-references are not included in the summary company counts at the beginning of each state or provincial section. Services provided by utilities are identified as Electric Generation (Gen or G), Transmission (T), Distribution (D) or Other; Gas Exploration/Production (Prod), Transmission Pipeline (TP), Local Distribution Company (LDC), Transmission & Distribution (T&D), Storage, or Other; Water (W), Wastewater (WW), or Sewer/Solid Waste (SW); and Telecommunications AMR, Municipal Data Network, Voice or SCADA (I), or Broadband, Cable TV, Cable Modem or DSL, Fiber Leasing, Internet Service, Local Telephone - CLEC, Long Distance, Video on Demand, or Wireless Network (E).

ASSOC (Professional or Trade Association): A professional or trade association.

COOP (Rural Electric Cooperative Utility, includes G&T Coops): A utility owned cooperatively by its customers rather than by private stockholders. Return on investment takes the form of products or services rather than dividends.

COUNTY (Country Government Utility): A utility owned and operated by a county agency.

DIST (District Government Utility): A utility owned and operated by a tribal or government district or authority.

ERO (Electric Reliability Organization): North American Electric Reliability Corp is the FERC-designated electric reliability organization for North America.

GOVT (Federal Government Utility): A utility/project owned and operated by the Federal government. In the U.S., this power is usually sold to other entities for transmission and distribution.

HOLD (Utility Holding Company): A company which exercises control over a regulated utility and, in many cases, non-regulated holdings as well, either through ownership of sufficient stock or other non-operating interest.
IOU (Investor-owned Utility): A utility operated as a private, tax-paying business in which management is not associated with any government agency. Financial securities representing assets are held by private citizens or investment groups.

IOU-DIV (Investor-owned Utility Division): An operating unit of an investor-owned utility company serves areas of the parent utility in a semi-autonomous arrangement.

IRRIG (Irrigation District): A utility which generates electricity as a byproduct of supplying water. This electricity may be distributed within the district or sold to other utilities.


JTACT (Joint Action Agency): A regional organization formed by individual utilities to jointly pool resources to build or finance generation and/or transmission systems, and/or to share or jointly finance other services to the members.

MKT (Non-utility Power Marketer): A non-utility wholesale power marketer.

MUNI (Municipal or Local Utility): A utility owned by a local municipality and operated as a department thereof.

MUTUAL: A utility owned by the customers who share jointly in its profits and liabilities.


NUG (Non-utility Generator): An independent power producer or autoproducer that generates electricity or manages the operation of power generating facilities, but is not considered to be a public utility subject to regulation.

Certain types of NUGs, however, are still subject to some requirements of the Public Utility Regulatory Policies Act.

PP (Power Pool): Voluntary organization of utilities, non-utility generators, state or regional electric associations and power marketers for pooling power purchases.

PPD/PUD (Public Power District/Public Utility District): A utility owned and operated by a state or regional agency.

PROV (Provincial Utility): A utility owned and operated by a Canadian provincial government agency.

RE (Regional Entity): To improve the reliability of the bulk power system, eight regional entities (representing the NERC regions) oversee compliance enforcement and reliability standard development through the North American Electric Reliability Corp (NERC). The companies that belong to these entities account for virtually all the electricity supplied in the United States, Canada and a portion of Baja California Norte, Mexico. NERC’s proposal to delegate enforcement authority to these entities is pending before the Federal Regulatory Commission (FERC).

REG (State or Regional Electric Association): A regional or state association of municipal or rural electric cooperative utilities.

REP (Non-utility Retail Energy Provider): A non-utility retail electricity provider, separate fee is paid by customers directly to the regulated utility providing distribution services.
RTO (Regional Transmission Organization): A regional transmission organization.

SERV (Utility Service Company): A utility service company owned by a regulated utility or utility company.

STATE (State Government Utility): A utility owned and operated by a state government agency.

SVC (Non-utility Service Company): A non-utility provider of energy-related services.

TERR (Territorial Utility): A utility owned and operated by a U.S. Territorial government agency.

TRANS (Transmission Utility): A specialized utility company that owns and/or operates only transmission facilities. Some are owned by major utilities and operate lines associated with a specific generating project. Others are controlled by a utility, but act for and through the state commission to supply distribution companies within the state, or are merchant operations.

WGEN (Wholesale Generating Utility): A utility that generates electricity solely for sale to other systems rather than on-system users.

II. KEY PERSONNEL

Personnel are categorized into four major groupings: the top company executive or contact; other officers; managers and directors; and all other staff. Within these groups, personnel are listed alphabetically by title. Standard abbreviations in use in the directory follow:

- **Acct**: Accountant
- **Acctg**: Accounting
- **Accts**: Accounts
- **Act**: Acting
- **Admin**: Administration or Administrator
- **Affs**: Affairs
- **Asst**: Assistant
- **Bus**: Business
- **CEO**: Chief Executive Officer
- **CFO**: Chief Financial Officer
- **CIO**: Chief Information Officer
- **COO**: Chief Operating Officer
- **CTO**: Chief Technical Officer
- **Chem**: Chemical or Chemistry
- **Chmn**: Chairman
- **Co**: Company
- **Comm**: Commerce or Commercial
- **Commun**: Communications
- **Constr**: Construction
- **Coord**: Coordinator
- **Corp**: Corporate or Corporation
- **Cust**: Customer
- **Dep**: Deputy
- **Dept**: Department
- **Des**: Design
- **Dev**: Development
- **Dir**: Director
- **Distr**: Distribution
- **Div**: Division
- **Econ**: Economics
- **Elec**: Electric or Electricity
- **Eng**: Engineer
- **Engrg**: Engineering
- **Env**: Environment
- **Equip**: Equipment
- **Exec**: Executive
- **Ext**: External
- **GM**: General Manager
- **Gen**: Generation
- **Genl**: General
III. CORPORATE FINANCIAL DATA

Assets & Debits: The total book value ($) of assets and debits.

Electric Plant in Service: The book value ($) of physical assets of the sector of the company concerned (e.g., “Distribution” would comprise the installed value of substations, poles, conductors, transformers, etc., as represented by the total of all distribution capital accounts. (“Other” might include headquarters buildings, laboratories, general usage fleet vehicles, information centers, or any facility not classified under the accounts for “Generation”, “Transmission” or “Distribution”.)

Electric Revenue: Gross revenues ($) from the sale of electricity to all classes of customers.

Electric Operating Expenses: Includes power production, transmission and distribution expenses as well as the cost of purchased power, as applicable.
Net Inc/Earnings: Net electric income and earnings ($) as taken from the company's income statement

IV. CUSTOMER/EMPLOYEE DATA

TOT Retail Cust: Total number of customers supplied with electricity by the system, including residential, commercial, industrial, and other. For utilities, represents ultimate customers ONLY, with sales for resale customers reported separately, if available.

Wholesale Customers: Wholesale (sales for resale) customers, if available.

TOT Customers: Total customers - ultimate consumers (retail) and wholesale customers.

Avg Rate (¢/kWh): Total electric revenues within each customer classification divided by total annual kWh sales within the same classification.

Avg Use (kWh/yr): Total annual kWh sales within each customer classification divided by the average customers/month in the same classification.

Elec (FT/PT) Employees: Total number of full-time (FT) and part-time (PT) employees in the electric department.

TOTAL (FT/PT) Employees: Total number of full-time (FT) and part-time (PT) employees in the company, if available.

V. SYSTEM DESIGN/PERFORMANCE

Net Generation (MWh): Input (MWh) to the system measured at the high-voltage terminals of the generating station's step-up transformers. It equals gross generation as measured at the generator terminals, minus station use.

Power Purchased (MWh): MWh purchased from off-system sources, including other utilities and all types of non-utility generators or power marketers.

Net Other (MWh): Net MWh wheeled, exchanged or transferred.

Elec Sales (MWh): Sales in MWh to any and all purchasers including off-system sales.

Elec Sales (MWh) Ult Cons: Sales in MWh to ultimate customers (retail).

Elec Sales (MWh) Resale: Sales in MWh to customers for resale (wholesale).

Generating Cap (MW): Total nameplate capacity (MW) of all generating units in commercial service. It does not include auxiliary or house units. Where a unit has been permanently derated or uprated, the revised rating is used. Firm capacity available or committed by interconnected suppliers is not included. For nonregulated power producers, the calculated total may represent capacity (MW) controlled/operated as opposed to the net ownership share.

Annual Peak (MW): Maximum system load or demand (MW) for electricity annually, if seasonal peaks are not reported.

Summer System Peak (MW): Maximum system load or demand (MW) for electricity in Summer. Generally measured over a single 15-minute or 1-hour period.

Winter System Peak (MW): Maximum system load or demand (MW) for electricity in Winter. Generally measured over a single 15-minute or 1-hour period.
**VI. MAJOR INTERCONNECTIONS**

Companies with which the system or utility is tied through transmission lines over which electric energy can be interchanged.

**VII. MEMBERS**

Member utilities, municipalities, non-utility generators (IPP), energy companies, power marketers (PM) or regional agencies or associations. When available, the state in which the company or municipality is located is included in parentheses. An [a] indicates an associate or non-voting member.
VIII. PURCHASED POWER SOURCES
The utilities or non-utility generating companies or power marketers from which the utility purchases power.

IX. PLANT INFORMATION
Specific data for jointly-owned utility plants are listed ONLY in the entry for the company operating that plant. Non-utility plants are listed with primary developers and/or owning operators with equity share cited, if available, and further identified as (A) Autoproducer or (P) Private power. Each major plant type/technology is identified by a symbol followed by the specific technology, fuel(s), operating unit count, year on line, and capacity (MW). If available, net generation (MWh) is also cited.

△ CC (Combined-cycle): A generating installation in which the exhaust heat from a gas or combustion turbine produces steam to power a steam turbine.
△ CCSS (Combined-cycle): A combined-cycle single shaft configuration.
△ FC (Fuel cell): A generating installation powered by fuel cells.
△ GT (Gas turbine): A generating installation with a turbine in which combustion chambers (fired directly by oil or gas) produce a hot gas which drives the turbine rotor.
△ GT/H (Gas turbine w/heat recovery): A generating installation with a gas turbine which has heat recovery.
△ GT/S (Gas turbine w/steam sendout): A generating installation with a gas turbine which has steam-sendout.
❑ HY (Hydroelectric): A hydroelectric generating installation (usually conventional).
❑ HY-P (Hydroelectric, pump storage): A hydroelectric generating installation in which, during off peak hours, the turbines are generator-driven to pump water from a lower to a higher reservoir. At peak times, the water stored in the upper reservoir is released through the turbines to generate electricity.
△ IC (Internal combustion): An engine-driven generating installation where the internal combustion of the fuel acts directly to produce mechanical power to drive the generator.
△ IC/H (Internal combustion engine w/heat recovery): An engine-driven generating installation with heat recovery where the internal combustion of the fuel acts directly to produce mechanical power to drive the generator.
△ ORC (Organic Rankine-cycle): A generating installation with an organic Rankine-cycle (vapor) turbine or organic Rankine-cycle energy converter.
△ PV (Photovoltaic): A generating installation powered by photovoltaic cells.
❑ ST (Steam, fossil-fired): A generating installation with a steam turbine-generator set powered by fossil fuel.
★ ST; UR (Steam, nuclear-powered): A generating installation with a steam turbine-generator set powered by a nuclear reactor (BWR, PWR, HTGR or CANDU).
❑ ST/H (Steam, fossil-fired w/heat recovery): A generating installation with a steam turbine-generator set with heat recovery.
ST/S (Steam, fossil-fired w/steam sendout): A generating installation with a steam turbine-generator set with steam sendout.

TEX (Turbo expander): A generating installation powered by a turbo expander/gas expander.

WTG (Wind turbine generator): A generating installation with a wind turbine generator.

Primary and/or alternate fuels burned at individual sites are identified using the following abbreviations:

BAG: Bagasse
BFG: Blast-furnace gas
BGAS: Biogas from wood or other biomass and organic material gasification
BIOMASS: Unspecified biomass (including agricultural waste and energy crops)
BL: Bio-derived liquid fuel or biodiesel
CGAS: Coal gas (from coal gasification)
COAL: Coal
COG: Coke oven gas
COKE: Petroleum coke
DGAS: Digester gas (sewage sludge gas)
FGAS: Flare gas
GAS: Natural gas
GEO: Geothermal
H2: Hydrogen
INDWST: Industrial waste
JET: Jet fuel
KERO: Kerosene
LGAS: Landfill gas
LIQ: Pulping liquor (black liquor)
LPG: Liquified petroleum gas (usually butane or propane)
MEDWST: Medical waste
METH: Methane from coal mines (coal-bed methane)
MGAS: Mines gas
NAP: Naphtha
OIL: Fuel oil
PEAT: Peat
RDF: Refuse-derived fuel
REF: Refuse (unprocessed municipal solid waste)
RGAS: Refinery off-gas
Glossary of Terms, Abbreviations, and Symbols

SUN: Solar power
TDF: Tire-derived fuel
TIRES: Scrap tires
UR: Uranium (including BWR, CANDU & PWR reactors)
WAT: Water
WIND: Wind-powered turbines
WOOD: Wood or wood-waste fuel
WSTGAS: Waste gas from refinery or other industrial processes
WSTH: Waste heat
WSTWSL: Wastewater sludge

X. SERVICE AREA
The counties or geographic areas served by each utility are listed alphabetically.
ALABAMA

2 Investor-Owned Utilities  IOU
1 Transmission Company  TRANS
1 Wholesale Generating Utility  WGEN
36 Municipal Utility Systems  MUNI
23 Rural Electric Cooperative Utilities  COOP
1 Joint Action Agency  JTACT

INVESTOR OWNED SYSTEMS

Alabama Power Co  IOU
Parent/Owner: Southern Company, GA
600 N 18th St
Birmingham, AL 35203
Phone: 205-257-1000
Internet: www.alabamapower.com
Service: Elec (Gen&T&D)

Subsidiaries: Southern Electric Generating Co (50% w/Georgia Power Co); Alabama Property Co; Alabama Energy Providers Inc

KEY PERSONNEL/OFFICES
Pres & CEO............................................................Charles D. McCrary
Exec VP & CFO & Treas.................................Phillip C. Raymond
Exec VP, Cust Svcs ..................................................Steve R. Spencer
Exec VP, Ext Affls ..................................................Zele W. Smith
Sr VP & Gen Counsel.................................Gordon Martin
Sr VP, Mkrg & Econ Dev .............................Greg Barker
VP & Comptroller..............................................Anita Allcorn-Walker
VP & Sec & Treas (Asst).................................William E. Zales, Jr,
VP, Birmingham Div ........................................Bobbie J. Knight
VP, Corp RE ..................................................R. Myrk Harkins
VP, Corp Rel ..........................................................Nick C. Sellers
VP, Corp Svcs ..............................................................Robert W. Weaver
VP, Eastern Div ..................................................Julia H. Segars
VP, Econ & Community Dev .........................Kenneth F. Novak
VP, Gen & Ch Prod Off .......................................James P. Heilbron
VP, HR ..............................................................Stacy R. Kilcoyne
VP, Mkgt ............................................................Don A. Scivley
VP, Mobile Div ..........................................................R. Michael Saxon
VP, PR ..............................................................John O. Hudson, III
VP, Southeast Div ..............................................Richard O. Hutto
VP, Southern Div ..............................................Leslie L. Sanders
VP, Trans ............................................................Scott Moore
VP, Western Div ..................................................Mark S. Crews
Mgr, Hydro Svcs ...................................................Jim Crew

CORPORATE FINANCIAL DATA ($) FY 2013
Assets & Debts: 20,266,363,038
Elec Plant in Service
TOTAL: 22,082,674,433
Electric Revenue: 5,615,671,474
Electric Operating Expenses
Power Production Exp: 2,178,988,409
Purchased Power Exp: 253,110,595
Transmission Exp: 60,633,159
Distribution Exp: 170,411,121
Net Inc/Earnings: 982,196,219

CUSTOMER/EMPLOYEE DATA

Electric
Avg Rate
Avg Use

Residential: 1,240,056
Commercial: 196,119
Industrial: 5,845
Other: 744
TOT Retail Cust: 1,442,764

Total (FT/PT) Employees: 6,896

SYSTEM DESIGN/PERFORMANCE

Generating Cap (MWh):
Pwr Purchased (MWh): 65,251,725
Net Other (MWh): 3,396,774
Net Inc/Earnings: 613,488
Net Generation (MWh): 59,855
Elec Sales (MWh) Utl Cons: 14,335,421
Elec Sales (MWh) Resale: 35,970,124
Generating Cap (MWh): 12,222.00
Summer System Peak (MW): 10,692.00
Winter System Peak (MW): 9,347.00

Transm (Ohm Pole (kv5 kv15 kv25 kv35) Miles: 72,479.00
Incoming Substa Capacity (MVA): 1,772.00

Distr LT Capacity (MVA):
Distr Line Transformers (#): 699

Net Other (MWh): 613,488
Elec Sales (MWh): 3,396,774

Net Inc/Earnings: 982,196,219

Elec Sales (MWh) Ult Cons: 54,926,566
Elec Sales (MWh) Resale: 14,335,421

TOTAL (kV5 kV15 kV25 kV35) Miles: 72,479.00

INVESTOR OWNED SYSTEMS

Associated Companies

PLANT INFORMATION

BANKHEAD DAM (HY; WAT; 1; 1963)
BARRY (CC/ST; COAL; 11; 1954)
BURKVILLE COGEN (CC; GAS; 2; 1999)
EC GASTON (GT/ST; COAL; 6; 1960)
GADSDEN NEW (ST/S; GAS; 2; 1949)
GORGAS TWO (ST; 2; 1951)
GREENE COUNTY (AL) (GT/ST; COAL; 11; 1965)
H NEELY HENRY DAM (HY; WAT; 3; 1966)
HOLT DAM (HY; WAT; 1; 1968)
JORDAN DAM (HY; WAT; 4; 1928)
LADY (HY; WAT; 6; 1967)
LEWIS SMITH DAM (HY; WAT; 2; 1961)
LOGAN MARTIN DAM (HY; WAT; 3; 1964)
MARTIN DAM (HY; WAT; 4; 1926)
MILLER (ST; COAL; 4; 1978)
MITCHELL DAM (AL) (HY; WAT; 4; 1949)
R HARRIS DAM (HY; WAT; 2; 1983)

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<table>
<thead>
<tr>
<th>PLANT</th>
<th>SERVICE AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THEODORE COGEN (CC; GAS; 2; 2000)</strong></td>
<td>Theodore</td>
</tr>
<tr>
<td><strong>THELLOW DAM (HY; WAT; 3; 1931)</strong></td>
<td>Tallassee</td>
</tr>
<tr>
<td><strong>WALTER BOULDIN DAM (HY; WAT; 3; 1967)</strong></td>
<td>Wetumpka</td>
</tr>
<tr>
<td><strong>WASHINGTON COUNTY (AL) (CC; GAS; 2; 1999)</strong></td>
<td>McIntosh</td>
</tr>
<tr>
<td><strong>WEISS DAM (HY; WAT; 3; 1961)</strong></td>
<td>Leesburg</td>
</tr>
<tr>
<td><strong>YATES DAM (HY; WAT; 2; 1928)</strong></td>
<td>Tallassee</td>
</tr>
<tr>
<td><strong>SERVICE AREA</strong></td>
<td></td>
</tr>
<tr>
<td>County: Autauga; Baldwin; Barbour; Bibb; Blount; Bullock; Butler; Calhoun; Chambers; Cherokee; Chilton; Choctaw; Clarke; Clay; Cleburne; Coffee; Conecuh; Coosa; Covington; Crenshaw; Cullman; Dale; Dallas; Elmore; Escambia; Etowah; Fayette; Franklin; Geneva; Greene; Hale; Henry; Houston; Jefferson; Lamar; Lawrence; Lee; Lowndes; Macon; Marengo; Marion; Marshall; Mobile; Monroe; Montgomery; Perry; Pickens; Randolph; Russell; Saint Clair; Shelby; Sumter; Talladega; Tallapoosa; Tuscaloosa; Walker; Washington; Wilcox; Winston</td>
<td></td>
</tr>
</tbody>
</table>

**GEORGIA POWER CO**

Parent/Owner: Southern Company, GA

241 Ralph McGill Blvd NE

Atlanta, GA 30308-3374

Phone: 404-506-6526 Fax: 404-506-3771

Internet: corpcommun@georgiapower.com, www.georgiapower.com

Service: Elec (Gen/T&D)

See primary listing in GA for pertinent information

**PLANT INFORMATION**

- HY ST
- Other NUC

**CHATTahoochee Hydro Group (HY; WAT; 24; 1915)**

Salem

- HY; WAT; 301.5 MW

**LANGDALE (HY; WAT; 2; 1924)**

Salem

- HY; WAT; 1 MW

**SOUTHERN COMPANY TRANSMISSION**

Parent/Owner: Southern Company, GA

600 N 18th St

Birmingham, AL 35203

Phone: 205-257-1000

Internet: www.southerncable.com

Service: Elec (Trans)

Southern Company Transmission serves as the transmission operator, balancing and interconnection authority for the 30,000 miles transmission network covering 22,500 sq. mil owned by Southern Company utility subsidiaries.

Cross Reference: AL GA MS

**KEY PERSONNEL/OFFICES**

Admin, OASIS: Rob Arbitelle

**SYSTEM DESIGN/PERFORMANCE FY 2012**

- Transm TOTAL (115kV 230kV 500kV) Miles: 27,000.0

**MAJOR INTERCONNECTIONS**

- Alabama Pwr Co (AL); Georgia Pwr Co

**SOUTHERN ELECTRIC GENERATING CO**

Parent/Owner: Southern Company, GA

600 N 18th St

Birmingham, AL 35291

Phone: 205-257-1000

Internet: www.southerncable.com

Service: Elec (Gen/T&D)

Southern Electric Generating Co is dba Southern Electric Generating Co.

**CORPORATE FINANCIAL DATA ($) FY 2013**

- Assets & Debits: 292,029,353
- Elec Plant in Service TOTAL: 474,856,782
- Electric Revenue: 183,595,166
- Electric Operating Expenses:
  - Power Production Exp: 138,125,682
  - Transmission Exp: 792,927
- Net Inc/Earnings: 11,258,153

**SYSTEM DESIGN/PERFORMANCE**

- Net Generation (MWh): 2,107,334
- Elec Sales (MWh): 2,107,334
- Generating Cap (MW): 1,020.00
- Transm (OH) Pole (kV230) Miles: 80.0

**SOUTHERN NUCLEAR OPERATING CO**

Parent/Owner: Southern Company, GA

10 Inverness Ctr Pkwy

Birmingham, AL 35242-4809

Phone: 205-992-5000 Fax: 205-868-5363

Internet: www.southerncable.com

Service: Elec (Gen ONLY)

Southern Nuclear Operating Co is dba Southern Nuclear.

**KEY PERSONNEL/OFFICES**

Chmn & Pres & CEO: Stephen Kuczynski

CNO: Danny G. Bost

Pres, Southern Nuclear Dev: Joseph A. Miller

Sr VP & Genl Counsel: Leigh Davis Perry

VP (Farley): Cheryl A. Gayheart

VP (Hatch): David Vineyard

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MUNICIPAL SYSTEMS

CUSTOMER/EMPLOYEE DATA FY 2013

TOTAL (FT/PT) Employees: 4,049

SYSTEM DESIGN/PERFORMANCE

Generating Cap (MW): 6,078.00

PLANT INFORMATION

FARLEY (ST; UR; 2; 1977) 1

MUNICIPAL SYSTEMS

Albertville Municipal Utilities Board

210 W Main St
PO Box 130
Albertville, AL 35950-0130
Phone: 256-878-3761 Fax: 256-878-8501
Internet: www.mub-albertville.com
Service: Elec (T&D) & Wtr (W/WW/SW) & Tele

Member: Tennessee Valley Public Power Association [REG]

KEY PERSONNEL/OFFICES

GM ......................................................................Elden Chumley

CORPORATE FINANCIAL DATA ($) FY 2012

Electric Revenue: 45,557,000

CUSTOMER/EMPLOYEE DATA

Electric Customers Avg Rate Avg Use
(¢/kWh) (kWh/yr)
Residential: 7,763 9.47 14,679
Commercial: 2,267 10.01 54,245
Industrial: 18 7.43 16,289,111
TOT Retail Cust: 10,048

Elec (FT/PT) Employees: 33
TOTAL (FT/PT) Employees: 77

SYSTEM DESIGN/PERFORMANCE

Pwr Purchased (MWh): 546,217
Elec Sales (MWh): 530,130
Summer System Peak (MW): 50.00
Winter System Peak (MW): 55.00
Incoming Substa Capacity (MVa): 60.00
Distr (OH) Pole Miles: 314.7
Distr (UG) Circuit Miles: 1.5
Distr TOTAL (kV5 kV15) Miles: 316.2
Transm (OH) Pole (kV69) Miles: 14.3

PURCHASED POWER SOURCE(S)

Tennessee Valley Pub Pwr Assn

SERVICE AREA

County: Marshall

Alexander City Utilities

Russell Rd
PO Box 637
Alexander City, AL 35010
Phone: 256-409-2080 Fax: 256-409-2082
Internet: www.alexandercityonline.com
Service: Elec (Distr) & Gas (LDC)

Member: Alabama Municipal Electric Authority [JTACT]

KEY PERSONNEL/OFFICES

Supt........................................................................George East

CORPORATE FINANCIAL DATA ($) FY 2012

Electric Revenue: 13,689,000

CUSTOMER/EMPLOYEE DATA

Electric Customers Avg Rate Avg Use
(¢/kWh) (kWh/yr)
Residential: 4,715 10.53 11,347
Commercial: 1,345 10.88 22,579
Industrial: 68 9.17 761,250
TOT Retail Cust: 6,128

SYSTEM DESIGN/PERFORMANCE

Pwr Purchased (MWh): 158,910
Elec Sales (MWh): 135,637
Summer System Peak (MW): 24.00
Winter System Peak (MW): 32.00
Incoming Substa Capacity (MVa): 30.25
Distr (OH) Pole (kV5 kV15) Miles: 106.0

PURCHASED POWER SOURCE(S)

Alabama Muni Elec Auth (AL); Southeastern Pwr Admin [SEPA]

SERVICE AREA

County: Tallapoosa

Andalusia Utilities Board

505 E Three Notch St
PO Box 790
Andalusia, AL 36420-0790
Phone: 334-222-1332 Fax: 334-222-9058
Internet: jeff.puckett@cityofandalusia.com, www.cityofandalusia.com
Service: Elec (Distr) & Wtr (W/WW/SW) & Tele

The Utilities Board was formed in Jan 2003 through the combined efforts of the City of Andalusia and the Water Works Board to oversee all water, sewer, wastewater and electrical systems in the city.

Member: PowerSouth Energy Coop Inc [G&T]; Touchstone Energy [National]

KEY PERSONNEL/OFFICES

Mgr, Utilities Off ..................................................Cathy Alexander
Mgr, Elec Oper ......................................................Jeff Puckett
Mgr, Wtrwr Oper ...................................................Donna Lewis
Mgr, Wtr/Sewer Oper .............................................Mike Bowlan

CORPORATE FINANCIAL DATA ($) FY 2012

Electric Revenue: 29,561,000
CUSTOMER/EMPLOYEE DATA

<table>
<thead>
<tr>
<th></th>
<th>Electric Customers</th>
<th>Avg Rate (¢/kWh)</th>
<th>Avg Use (kWh/yr)</th>
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<tr>
<td>Residential</td>
<td>3,669</td>
<td>12.28</td>
<td>11,757</td>
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<tr>
<td>Commercial</td>
<td>997</td>
<td>12.33</td>
<td>62,011</td>
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<tr>
<td>Industrial</td>
<td>5</td>
<td>5.83</td>
<td>57,066,000</td>
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<tr>
<td>TOT Retail Cust.</td>
<td>4,671</td>
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SYSTEM DESIGN/PERFORMANCE

Pwr Purchased (MWh): 395,792
Elec Sales (MWh): 390,290
Summer System Peak (MW): 65.00
Winter System Peak (MW): 27.00
Incoming Substa Capacity (MVa): 32.50
Distr (OH) Pole (kV5 kV15) Miles: 166.0

MEMBERS

PowerSouth Elec Coop (AL)

PURCHASED POWER SOURCE(S)

PowerSouth Elec Coop (AL)

SERVICE AREA

County: Covington

Athens Electric Dept (AL)
1806 Wilkinson St
PO Box 1089
Athens, AL 35612-1089
Phone: 256-232-1440
Fax: 256-233-8732
Internet: www.athensal.us
Service: Elec (T&D) & Gas (LDC) & Wtr

Member: Tennessee Valley Public Power Association [REG]

KEY PERSONNEL/OFFICES

GM .......................................................... Gary Scroggins
Dir, Fin ........................................................ Kent Lewter

CORPORATE FINANCIAL DATA ($) FY 2012

Electric Revenue: 95,316,000

CUSTOMER/EMPLOYEE DATA

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<th>Avg Rate (¢/kWh)</th>
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<tr>
<td>Residential</td>
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<td>9.56</td>
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<td>Commercial</td>
<td>6,502</td>
<td>10.34</td>
<td>41,702</td>
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<tr>
<td>Industrial</td>
<td>13</td>
<td>8.83</td>
<td>8,401,692</td>
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<td>TOT Retail Cust.</td>
<td>42,204</td>
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TOTAL (FT/PT) Employees: 87

SYSTEM DESIGN/PERFORMANCE

Pwr Purchased (MWh): 1,020,427
Elec Sales (MWh): 960,055
Summer System Peak (MW): 243.00
Winter System Peak (MW): 237.00
Incoming Substa Capacity (MVa): 364.00
Distr (OH) Pole Miles: 2,025.8
Distr (UG) Circuit Miles: 24.3
Distr TOTAL (kV5 kV15) Miles: 2,050.1
Transm (OH) Pole (kV69) Miles: 60.2

PURCHASED POWER SOURCE(S)

Tennessee Valley Pub Par Assn

SERVICE AREA

County: Limestone

Bessemer Electric Service
1600 First Ave N
Bessemer, AL 35020-5702
Phone: 205-481-4333
Fax: 205-481-4323
Internet: info@bessemerutilities.com, www.bessemerutilities.com
Service: Elec (T&D)
Member: Tennessee Valley Public Power Association [REG]

KEY PERSONNEL/OFFICES

Mgr, Oper ..................................................... Jerry Yarbrough

CORPORATE FINANCIAL DATA ($) FY 2012

Electric Revenue: 32,680,000

CUSTOMER/EMPLOYEE DATA

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<th>Avg Rate (¢/kWh)</th>
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<tr>
<td>Residential</td>
<td>9,544</td>
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<td>Commercial</td>
<td>1,802</td>
<td>10.88</td>
<td>86,032</td>
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<tr>
<td>Industrial</td>
<td>5</td>
<td>7.90</td>
<td>8,889,000</td>
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<tr>
<td>TOT Retail Cust.</td>
<td>11,351</td>
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</table>

SYSTEM DESIGN/PERFORMANCE

Pwr Purchased (MWh): 351,041
Elec Sales (MWh): 317,777
Summer System Peak (MW): 55.00
Winter System Peak (MW): 79.00
Distr (OH) Pole Miles: 161.2
Distr (UG) Circuit Miles: 1.6
Distr TOTAL (kV5 kV15) Miles: 162.8
Transm (OH) Pole (kV34.5 kV69) Miles: 23.8

PURCHASED POWER SOURCE(S)

Tennessee Valley Pub Par Assn

SERVICE AREA

County: Jefferson

Brundidge Electric Distribution System
PO Box 638
Brundidge, AL 36010-0638
Phone: 334-735-2321
Fax: 334-735-5180
Internet: www.brundidge.org
Service: Elec (Distr) & Wtr (W/WW)
Member: PowerSouth Energy Coop Inc [G&T]

KEY PERSONNEL/OFFICES

City Mgr ..................................................... Britt Thomas
Supv, Elec ..................................................... Jerry Reynolds

SYSTEM DESIGN/PERFORMANCE FY 2012

Incoming Substa Capacity (MVa): 10.00
Distr (OH) Pole (kV5) Miles: 55.0

PURCHASED POWER SOURCE(S)

PowerSouth Elec Coop (AL)
Distr (OH) Pole Miles: 105.0
Distr (UG) Circuit Miles: 28.0
Distr TOTAL (kV15) Miles: 133.0

PURCHASED POWER SOURCE(S)
Tennessee Valley Authority

SERVICE AREA
County: Colbert

Tuskegee Utilities Board
101 Fonville St
Tuskegee, AL 36083-2021
Phone: 334-720-0712  Fax: 334-720-0724
Internet: glong@yourubt.com, www.yourubt.com
Service: Elec (T&D)

Member: Alabama Municipal Electric Authority [JCTAT]

KEY PERSONNEL/OFFICES
GM.................................Gerald Long, CPA, CGMA

CORPORATE FINANCIAL DATA ($) FY 2012
Electric Revenue: 16,681,783
Electric Operating Expenses
Purchased Power Exp: 10,737,585
Net Inc/Earnings: 5,944,198

CUSTOMER/EMPLOYEE DATA
Electric

<table>
<thead>
<tr>
<th>Customers</th>
<th>Avg Rate (¢/kWh)</th>
<th>Avg Use (kWh/yr)</th>
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<td>Residential: 6,202</td>
<td>12.23</td>
<td>10,192</td>
</tr>
<tr>
<td>Commercial: 672</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial: 99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOT Retail Cust: 6,973</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SYSTEM DESIGN/PERFORMANCE
Pwr Purchased (MWh): 169,739
Elec Sales (MWh): 154,729
Summer System Peak (MW): 35.00
Winter System Peak (MW): 32.00
Incoming Substa Capacity (MVa): 75.00
Distr (OH) Pole Miles: 1,520.0
Distr (UG) Circuit Miles: 22.0
Distr TOTAL (kV15) Miles: 1,542.0
Transm (OH) Pole (kV69) Miles: 30.0

PURCHASED POWER SOURCE(S)
Tennessee Valley Pub Pwr Assn (TN)

SERVICE AREA
County: Macon

RURAL ELECTRIC COOPERATIVE SYSTEMS

Arab Electric Coop Inc
331 S Brindlee Mountain Pkwy
PO Box 770
Arab, AL 35016-0770
Phone: 256-586-3196  Fax: 256-586-4943
Internet: joebunch@otelco.net, www.arab-electric.org
Service: Elec (T&D)

Member: Tennessee Valley Public Power Association [REG]

KEY PERSONNEL/OFFICES
GM....................................................Joe Van Bunch

CORPORATE FINANCIAL DATA ($) FY 2012
Electric Revenue: 32,821,000

CUSTOMER/EMPLOYEE DATA
Electric

<table>
<thead>
<tr>
<th>Customers</th>
<th>Avg Rate (¢/kWh)</th>
<th>Avg Use (kWh/yr)</th>
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</thead>
<tbody>
<tr>
<td>Residential: 12,367</td>
<td>10.56</td>
<td>15,063</td>
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<tr>
<td>Commercial: 2,806</td>
<td>10.82</td>
<td>37,319</td>
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<tr>
<td>Industrial: 2</td>
<td>9.43</td>
<td>3,313,500</td>
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<tr>
<td>TOT Retail Cust: 15,175</td>
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</tbody>
</table>

TOTAL (FT/PT) Employees: 30

SYSTEM DESIGN/PERFORMANCE
Pwr Purchased (MWh): 322,268
Elec Sales (MWh): 297,633
Summer System Peak (MW): 73.00
Winter System Peak (MW): 77.00
Incoming Substa Capacity (MVa): 75.00
Distr (OH) Pole Miles: 974.0
Distr (UG) Circuit Miles: 30.0
Distr TOTAL (kV15) Miles: 1,004.0
Transm (OH) Pole (kV34.5) Miles: 5.0

PURCHASED POWER SOURCE(S)
Tennessee Valley Pub Pwr Assn (TN)

SERVICE AREA
County: Cullman; Marshall; Morgan

Baldwin County Electric Membership Corp (AL) [BEMC]
19600 Hwy 59
PO Box 220
Summerdale, AL 36580-0220
Phone: 251-989-6247  Fax: 251-989-0148
Internet: bemcinfo@baldwinemc.com, www.baldwinemc.com
Service: Elec (Distr)

Member: PowerSouth Energy Coop Inc [G&T]; Touchstone Energy [National]

KEY PERSONNEL/OFFICES
CEO ....................................................Ernest A. Jakins, Jr.
VP, Energy Svcs & Pub Rels ................................Karen Moore
Mgr, Commun ..................................................Rebecca Shobe

CORPORATE FINANCIAL DATA ($) FY 2012
Electric Revenue: 138,915,500

CUSTOMER/EMPLOYEE DATA
Electric

<table>
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<tr>
<th>Customers</th>
<th>Avg Rate (¢/kWh)</th>
<th>Avg Use (kWh/yr)</th>
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</thead>
<tbody>
<tr>
<td>Residential: 61,717</td>
<td>11.81</td>
<td>13,055</td>
</tr>
<tr>
<td>Commercial: 6,525</td>
<td>9.90</td>
<td>67,720</td>
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<tr>
<td>TOT Retail Cust: 68,242</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL (FT/PT) Employees: 179

© 2014 Platts, a Division of McGraw Hill Financial, Inc.
Central Alabama Electric Coop Inc [CAEC]
1802 US Hwy 31 N
PO Box 681570
Prattville, AL 36068-1570
Phone: 334-365-6762, 800-545-5735
Fax: 334-365-6148
Internet: tstaffhouse@coop.caec.com, www.caec.com
Service: Elec (Distr)
Member: PowerSouth Energy Coop Inc [G&T]; Touchstone Energy [National]

KEY PERSONNEL/OFFICES
Pres & CEO.....................................................Tom Stackhouse
VP, Bus & Admin Svcs .................................Julie Young
VP, Corp & Fin Svcs ........................-------------David Lee
VP, Cust & Energy Svcs .............................Chuck Billings
VP, Engrg & Oper ........................---------------Jimmy Gray

CORPORATE FINANCIAL DATA ($) FY 2012
Electric Revenue: 86,969,000

CUSTOMER/EMPLOYEE DATA

<table>
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<tr>
<th>Category</th>
<th>Customers</th>
<th>Avg Rate (¢/kWh)</th>
<th>Avg Use (kWh/yr)</th>
<th>Avg Use (kWh/yr)</th>
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</thead>
<tbody>
<tr>
<td>Residential</td>
<td>39,667</td>
<td>13.22</td>
<td>13,868</td>
<td>13,868</td>
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<tr>
<td>Commercial</td>
<td>1,771</td>
<td>12.25</td>
<td>45,791</td>
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<tr>
<td>Industrial</td>
<td>5</td>
<td>9.56</td>
<td>3,419,800</td>
<td>3,419,800</td>
</tr>
</tbody>
</table>

TOTAL (FT/PT) Employees: 123

RURAL ELECTRIC COOPERATIVE SYSTEMS 15

SYSTEM DESIGN/PERFORMANCE
Pwr Purchased (MWh): 695,006
Elec Sales (MWh): 648,282
Summer System Peak (MW): 182.00
Winter System Peak (MW): 192.00
Incoming Substa Capacity (MVa): 252.00
Distr TOTAL (kV15 kV25) Miles: 5,500.0

MAJOR INTERCONNECTIONS
Alabama Pwr Co (AL)
PowerSouth Elec Coop (AL)

SERVICE AREA
County: Autauga; Bibb; Chilton; Coosa; Dallas; Elmore; Lowndes; Perry; Talladega; Tallapoosa

Cherokee Electric Coop (AL) [CEC]
1550 Clarence Chesnut Bypass
PO Drawer 0
Centre, AL 35960-0915
Phone: 256-927-5524
Fax: 256-927-2278
Internet: rwilkie@cherokee.coop, www.cherokee.coop
Service: Elec (Distr)
Member: Tennessee Valley Public Power Association [REG]

KEY PERSONNEL/OFFICES
CEO & GM......................................................Randal Wilkie
CFO..................................................................Brent Howard
AMEA meets 80% of members' power needs and acts as the agent for member contracts with the Southeastern Power Administration (SEPA) totaling 151 MW.

**KEY PERSONNEL/OFFICES**

- Pres & CEO: Fred D. Clark, Jr.
- COO: Alan Williford
- Controller: Tina Tidwell
- Mgr, Compliance & Distr Svcs: Raymond W. Phillips
- Mgr, Comm & Mkig: Lisa M. Miller
- Mgr, Compliance & Distr Svcs: Mark Ennis
- Mgr, Oper: Tim Foster
- Bd Sec & Exec Asst: Samantha Alexander

**CORPORATE FINANCIAL DATA ($) FY 2012**

- Electric Revenue: 208,393,400

**CUSTOMER/EMPLOYEE DATA**

- TOTAL (FT/PT) Employees: 17

**SYSTEM DESIGN/PERFORMANCE**

- Net Generation (MWh): 8,084
- Pwr Purchased (MWh): 3,256,607
- Elec Sales (MWh): 3,179,786
- Generating Cap (MW): 95.00
- Summer System Peak (MW): 701.20
- Winter System Peak (MW): 659.20

**MAJOR INTERCONNECTIONS**

- Alexander City (AL); Dothan (AL); Fairhope (AL); LaFayette (AL); Lanett (AL); Luverne (AL); Opelika (AL); Piedmont (AL); Riviera Utilis (AL); Sylacauga (AL); Tuskegee (AL)

**MEMBERS**

- Alexander City (AL); Dothan (AL); Fairhope (AL); LaFayette (AL); Lanett (AL); Luverne (AL); Opelika (AL); Piedmont (AL); Riviera Utilis (AL); Sylacauga (AL); Tuskegee (AL)

**PURCHASED POWER SOURCE(S)**

- Alabama Pwr Co (AL); Southeastern Pwr Admin (SEPA/GA)

**PLANT INFORMATION**

- SYLACAUGA (GT; GAS; 2; 2004) Sylacauga
  - ∆ GT; GAS; 98 MW

**SERVICE AREA**

- Memb Utilis

---

**Southeastern Power Administration [SEPA]**

**GOVT**

- Parent/Owner: US Department of Energy, DC
- 1166 Athens Tech Rd
- Elberton, GA 30635-6711
- Phone: 706-213-3800
- Fax: 706-213-3884
- Internet: info2@sepa.doe.gov, www.sepa.doe.gov

**SERVICE AREA**

- See primary listing in GA for pertinent information

---

**Tennessee Valley Authority [TVA]**

**GOVT**

- 400 W Summit Hill Dr
- Knoxville, TN 37902-1401
- Phone: 865-332-2101
- Internet: tvainfo@tva.gov, www.tva.gov

**SERVICE AREA**

- See primary listing in TN for pertinent information

---

**US Army Corps of Engineers [USACE]**

**GOVT**

- Parent/Owner: US Department of Defense, DC
- 441 G St NW
- Washington, DC 20314-1000
- Phone: 202-761-0011
- Internet: hq-publicaffairs@usace.army.mil, www.usace.army.mil

**SERVICE AREA**

- See primary listing in DC for pertinent information

---

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### 3 Phases Energy Services LLC

**Parent/Owner:** 3 Phases Energy, CA  
**Address:** 2100 N Sepulveda Blvd, Ste 37, Manhattan Beach, CA 90266-2958  
**Phone:** 310-939-1283 **Fax:** 310-939-1284  
**Internet:** www.3phases.com  
**Service:** Power and/or gas marketing.

**Formerly:** 3 Phases Electrical Consulting (2003).

**CORPORATE FINANCIAL DATA ($) FY 2012**
- Electric Revenue: 7,268,500

**CUSTOMER/EMPLOYEE DATA**
- Residential Customers: 115, Avg Rate (¢/kWh): 5.81, Avg Use (kWh/yr): 9,530
- Commercial Customers: 198, Avg Rate (¢/kWh): 4.35, Avg Use (kWh/yr): 384,677
- Industrial Customers: 41, Avg Rate (¢/kWh): 5.44, Avg Use (kWh/yr): 1,745,317
- TOT RETAIL CUST: 354

**SYSTEM DESIGN/PERFORMANCE**
- Pwr Purchased (MWh): 157,005
- Elec Sales (MWh): 148,820
- Summer System Peak (MW): 27.20
- Winter System Peak (MW): 19.70

**SERVICE AREA**
- CA: Energy

---

### 4 Change Energy

**Parent/Owner:** Energy Future Holdings Co, TX  
**Address:** PO Box 660361, Dallas, TX 75266-0361  
**Internet:** www.4changeenergy.com  
**Service:** Power and/or gas marketing.

**CORPORATE FINANCIAL DATA ($) FY 2012**
- Electric Revenue: 1,332,800

**CUSTOMER/EMPLOYEE DATA**
- Residential Customers: 1,465, Avg Rate (¢/kWh): 9.12, Avg Use (kWh/yr): 9,980
- TOT RETAIL Cust: 1,465

**SYSTEM DESIGN/PERFORMANCE**
- Pwr Purchased (MWh): 14,620
- Elec Sales (MWh): 14,620

---

### Abengoa Solar Inc

**Parent/Owner:** Abengoa SA, SPAIN  
**Address:** 11500 W 13th Ave, Lakewood, CO 80215  
**Phone:** 303-926-8500  
**Internet:** abengosolar@abengoa.com, www.abengosolar.com  
**Service:** Private power development

**Division of Abengoa Solar US.**

---

### ACCIONA Energy North America Corp

**Parent/Owner:** Acciona SA, SPAIN  
**Address:** 333 W Wacker Dr, Ste 1500, Chicago, IL 60606  
**Phone:** 312-673-3000 **Fax:** 312-673-3001  
**Internet:** www.acciona.us  
**Service:** Private power development

Acquisition of exclusive rights to develop 1,300 MW in wind assets in IL, IA and WI from EcoEnergy LLC was announced in Jun 2007.

**States/Provs:** IL ND OK SD AB

**CORPORATE FINANCIAL DATA ($) FY 2012**
- Generating Cap (MW): 251.88

**SYSTEM DESIGN/PERFORMANCE FY 2012**

---

### ACCIONA Solar Power Inc

**Parent/Owner:** Acciona SA, SPAIN  
**Address:** PO Box 60037, Boulder City, NV 89006-0037  
**Phone:** 702-547-4288 **Fax:** 702-547-4289  
**Internet:** www.acciona.us  
**Service:** Equipment manufacturing

Acquired for Acciona Group (Spain) in 2005.

**States/Provs:** NC NV

**CORPORATE FINANCIAL DATA ($) FY 2012**
- Generating Cap (MW): 64.00

**SYSTEM DESIGN/PERFORMANCE FY 2012**

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ELECTRIC RELIABILITY ENTITIES, POWER POOLS & ISO/RTOS

Electric Reliability Organization

North American Electric Reliability Corp [NERC]  
3343 Peachtree Rd NE  
Ste 600 - N Tower  
Atlanta, GA 30326  
Phone: 404-446-2560  
Fax: 404-467-0474  
Internet: info@nerc.com, www.nerc.com

Formerly the North Amer Elec Reliability Council, approved as the ERO for the US (2006). Delegation of monitoring and enforcement authority under NERC oversight extended to regional entities (2007). Approval from Canada and Mexico, is pending.

Member Regional Entities: Florida Regional Reliability Council (FRCC); Midwest Regional Operator (MRO); Northeast Power Coordinating Council (NPCC); ReliabilityFirst Corp (RFC); SERC Reliability Corp (SERC); Southwestern Power Pool (SPP); Texas; regional Entity [TRE]; Western Electricity Coordinating Council

States/Provs: DC NJ

KEY PERSONNEL/OFFICES

Pres & CEO..................................................Gerry W. Cauley  
Sr VP & CFO & COO ..................................................Michael A. Walker  
Sr VP & COO ..................................................Mark Rossi  
Sr VP & Gen Counsel & Sec ..................Charles Berardesco  
VP & Dir, Reliability Assessment & Perf...........Tom Burgess  
VP & Dir, Standards Dev ..................Mark Lauby  
Dir (Sr), Compliance Oper ..................Earl Shockley  
Dir (Sr), Reliability Risk Mgmt ..................Michael Moon  
Dir, Enforcement & Gen Counsel (Asst) ...........Sonia Mendonca  
Dir, HR ............................................................Damon Epperson  
Dir, Info Tech & Svcs ..................Marvin Santerfeit  
Dir, Reliability Initiatives & Sys Analy ..................Robert Cummings  
Dir, Training & Accreditation ..................Peter Knoetgen  
(DC) Washington Off, 1325 G St NW, 6th Fl, Washington, DC 20005-3801 (202-393-3998)  
Sr VP & Dir, Govt Policy & Ext Affs ..................Janet L. Sena  
(DC) Washington Off, 1325 G St NW, 6th Fl, Washington, DC 20005-3801 (202-393-3998)

Dir (Assoc), Commun ..................Kimberly Mielcarek  
Dir, Critical Infrastructure Protection ..................Matthew Blizard

CUSTOMER/EMPLOYEE DATA FY 2012

TOTAL (FT/PT) Employees: 41

Electric Reliability Entities

Florida Reliability Coordinating Council Inc [FRCC]

3000 Bayport Dr  
Ste 600  
Tampa, FL 33607  
Phone: 813-289-5644  
Fax: 813-289-5646  
Internet: www.frcc.com

FRCC is the regional entity for the monitoring and enforcement of reliability standards within the area of peninsular Florida east of the Apalachicola River. Western areas are in SERC.

Member: North American Electric Reliability Council [National]

KEY PERSONNEL/OFFICES

Pres & CEO..................................................Stacy Dochoda  
Gen Counsel & Sec & Dir, HR ..................Mory Jones  
VP & Exec Dir, Standards & Compliance ..................Linda Campbell  
VP, Plan & Oper ...........................................John Odom

MEMBERS

Calpine Corp; Clay Elec Coop (FL); Constellation Pwr Source (MD); Duke Energy Florida; Florida Muni Pwr Agency (FL); Florida Pwr & Lt Go (FL); Fort Pierce Utils Auth (FL); Gulf Pwr Co (FL); Homestead (City) (FL); Indiantown Cogeneration LP (PG&E); JEA (FL); Keys Energy Svcs (FL); Kissimmee Util Auth (FL); Lake Worth Util Auth (FL); Lakeland (City) (FL); Mirant Americas Development Inc; Morgan Stanley Capital Grp; New Smyrna Beach Util Comm (FL); Ocala Elec Util (FL); Orlando Utils Comm (FL); Reedy Creek Improvement Dist (FL); Reliant Energy Svcs Inc; Seminole Elec Coop Inc (FL); Southeastern Pwr Auth (SEPAGA): Tallahassee (FL); Tampa Elec Co (FL); The Energy Authority; Vero Beach Muni Util (FL)

Midwest Reliability Organization Inc [MRO]

380 St Peter Street  
Ste 800  
Saint Paul, MN 55102  
Phone: 651-855-1760  
Fax: 651-855-1712  
Internet: jr.mitchell@midwestreliability.org, www.midwestreliability.org

Midwest Reliability Organization (MRO) is a cross border regional entity which operates under delegated authority from government agencies in the USA and Canada (via NERC).

Member: North American Electric Reliability Corp [National]

States/Provs: IA IL MN MT ND NE SD WI MB SK

KEY PERSONNEL/OFFICES

Pres & CEO..................................................Daniel P. Skaar

MEMBERS

ALLETE: Alliant Energy; American Transm Co; Badger Pwr Mkgt  
Auth of WI; Basin Elec Pwr Coop; Cedar Falls Utilities; Central low Pwr Coop; City of Ames Elec Soc; Corn Belt Pwr Coop; Dairyland Pwr Coop (WI); Dominion Newc Rsrs Svcs Inc; Edison Mission Mkgt & Trading; GEN-SYS Energy; Great River Energy; Hastings Utilities; Heartland Consumers Pwr Dist; ITC Midwest LLC; Iowa Assn of Muni Utils; Iowa Industrial Energy Grp; Kansas Corp Comm; Lincoln Elec Sys; Madison Gas & Elec Co; Manitoba Hydro; MidAmerican Energy Co; Midcontinent Indep Transm Sys Oper (MISO); Minnkota Pwr Coop Inc; Missouri River Energy Svcs; Montana-Dakota Utils Co; Morgan Stanley Capital Grp; Muni Energy Agency of NE [MEAN]; Nebraska PP; Nextera Energy Resources LLC; Northwestern

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ASSOCIATIONS

ACES [APM] REG
4140 W 99th St
Carmel, IN 46032
Phone: 317-344-7000
Fax: 317-344-7001
Internet: websiteinfo@acespower.com,
www.acespower.com

Service: Non-profit public interest organization

ACES is owned by 20 generation and transmission cooperatives and one independent distribution cooperative. The company assists its Members and Customers in the management of their energy risk. The Members and Customers served by ACES operate in alignment with the best interests of the organizations it serves.

Member: Touchstone Energy [National]

States/Provs: AZ GA IA IL IN KS KY MD MN NC OH OK TX VA

KEY PERSONNEL/OFFICES

Pres & CEO ........................................................ Michael T. Steffes
Sr VP & CFO .................................................. David H. Claspell
Sr VP & CIO ..................................................... H. Annette Statman
Sr VP & COO .................................................. Eric Larson
Sr VP & Ch Risk Off ........................................... Jeffrey L. Walker
VP, Bus Dev & Cust Svc .................................... Scott Thompson
VP, Corp & Regulatory Affs ............................... John Sturm
VP, Info Svcs .................................................. Chris Haas
VP, Natural Gas & Fuels ...................................... Andy Whitesett
VP, Portfolio Delivery ........................................... Ted Vatsral
VP, Portfolio Mgmt ........................................... Keith Pope
VP, Portfolio Mgmt ........................................... Todd Pitcher
VP, Trading Control ........................................... Melissa Fischer

Dir, Bus Dev ................................................... Jeff Urner
Dir, Bus Dev ................................................... Jennifer Ferrento
Dir, Bus Dev ................................................... Jeremy Clark
Dir, Cust Svc .................................................. Kevin Soultz
Dir, Cust Svc .................................................. Beth Bradley
Dir, Cust Svc .................................................. Todd Harrington
Dir, Portfolio .................................................. Steve Figueroa
Dir, Portfolio .................................................. Andy Schuette
Dir, Portfolio Delivery ...................................... Michael Markowitz
Dir, Portfolio Delivery ...................................... Matt Moore
Dir, Portfolio Delivery ...................................... Raj Singamsetti
Exec Dir, Fin & Acctg ......................................... Joanna Lehner
Exec Dir, Network Svcs ..................................... Brandon Robinson
Exec Dir, Origination ........................................ Chamrouen Kong
Exec Dir, Portfolio Delivery ............................... Jason Painter
Exec Dir, Process Ctrl ....................................... Steve Zwingel

(AZ) West Reg Trading Ctr, 1000 S Hwy 80, Benson, AZ 85602
(520) 586-5425
Dir, Portfolio ................................................... Jonathan Martell

(IN) North Reg Trading Ctr, 12300 Elm Creek Blvd, Maple Grove, MN 55369 (763) 445-6155
Dir, Portfolio ................................................... P. J. Martin

(IN) East Reg Trading Ctr, 1331 Sunday Dr, Ste 113, Raleigh, NC 27607 (919) 654-8300
Exec Dir, Portfolio Mgmt ................................. Michael Hall

CUSTOMER/EMPLOYEE DATA FY 2012

TOTAL (FT/PT) Employees: 138

1586

Advanced Energy REG
909 Capability Dr
Ste 2100
Raleigh, NC 27606-3870
Phone: 919-857-9000
Fax: 919-832-2696
Internet: www.advancedenergy.org

Service: State public power associations (municipals or cooperatives)

Formerly Alternative Energy Corp. Non-profit corporation governed by a board appointed by the Governor of NC and the member utilities.

KEY PERSONNEL/OFFICES

Pres & Exec Dir ............................................... Robert K. Koger, PE
VP, Bus Dev ................................................... Keith E. Alridge
VP, Client Svcs ................................................... Vicky McCann

MEMBERS

Dominion North Carolina Pwr (NC); Duke Energy Corp (NC); Duke Energy Progress (NC); Nantahala Pwr & Lt Co (NC); North Carolina Elec Membr Corp (NCEMC)

Alabama Rural Electric Association [AREA] REG
340 Techna Center Dr
PO Box 244014
Montgomery, AL 36124
Phone: 334-215-2732
Fax: 334-215-2733
Internet: info@areaepower.com, www.areaepower.com

Service: State public power associations (municipals or cooperatives)

Member: Touchstone Energy [National]

KEY PERSONNEL/OFFICES

Pres & CEO .................................................. Fred O. Braswell, III
Sr VP & CFO .................................................. Kari Rayborn
VP, Pub Affs ..................................................... Sean Strickler

MEMBERS

Arab Elec Coop (AL); Baldwin County Elec Membr Corp (AL); Black Warrior Elec Membr Corp (AL); Central Alabama Elec Coop (AL); Cherokee Elec Coop (AL); Clarke/Washington Membr Corp (AL); Coosa Valley Elec Coop (AL); Covingon Elec Coop (AL); Cullman Elec Coop (AL); Dixie Elec Coop (AL); Franklin Elec Coop (AL); Joe Wheeler Elec Membr Corp (AL); Marshall/DeKalb Elec Coop (AL); North Alabama Elec Coop (AL); Pea River Elec Coop (AL); Pioneer Elec Coop (AL); Power South; Sand Mountain Elec Coop (AL); South Alabama Elec Coop (AL); Southern Pine Elec Coop (AL); Tallapoosa River Elec Coop (AL); Tennessee Valley Auth (TVA); Tombigbee Elec Coop (AL); Wiregrass Elec Coop (AL)
Canadian Nuclear Safety Commission [CNCS]
280 Slater St
PO Box 1046
Ottawa, ON K1P 5S9 CANADA
Phone: 613-995-5894  Fax: 613-995-5086
Internet: info@cnsc-ccsn.gc.ca, www.nuclearsafety.gc.ca
Service: Federal Government
Formerly the Atomic Energy Control Board (AECB), restructured in 2000.

KEY PERSONNEL/OFFICES
Pres & CEO ...........................................................Michael Binder

Environment Canada
Inquiry Centre - 10 Wellington St
23rd Fl
Gatineau, QC K1A 0H3 CANADA
Phone: 819-997-2800  Fax: 819-994-1412
Internet: enviroinfo@ec.qc.ca, www.ec.gc.ca
Service: Federal Government

Minister ..............................................................Leona Aglukkaq

National Energy Board of Canada
517 10th Ave SW
Calgary, AB T2R 0A8 CANADA
Phone: 403-292-4800  Fax: 403-292-5503
Internet: info@neb-one.gc.ca, www.neb-one.gc.ca
Service: Federal Government

Chmn & CEO ...........................................................Peter Watson
Genl Counsel..............................................................Rob Cohen
Sec..........................................................................Sheri Young

Natural Resources Canada [NRCan]
580 Booth St
15th Fl
Ottawa, ON K1A OE4 CANADA
Phone: 613-995-0947
Internet: www.nrcan.gc.ca
Service: Federal Government

Canadian government ministry specializing in sustainable development and use of natural resources, energy, minerals and metals, forests and earth sciences.

Minister .................................................................Greg Rickford
Minister (Dep) .....................................................Serge Dupont
Min (Dep Assoc) ...................................................Michael Keenan
Commun Off.......................................................Angela Kokkinos

Northwest Power and Conservation Council
851 SW Sixth Ave
Ste 1100
Portland, OR 97204-1348
Phone: 503-222-5161, 800-452-5161  Fax: 503-820-2370
Internet: info@nwncouncil.org, www.nwncouncil.org
Service: State Government
Regional planning body created by Congress in 1980 to represent Washington, Oregon, Idaho and Montana in developing power plans and fish and wildlife programs that balance energy needs and the environment.
States/Provs: ID MT OR WA

KEY PERSONNEL/OFFICES
Exec Dir .................................Steve Crow
Dir, Fish & Wildlife Div...............Tony Grover
Dir, Pwr Div ..............................Tom Eckman
Exec Asst.................................Judi Hertz

Public Works and Government Services Canada [PWGSC]
11 Laurier St
Phase III, Place du Portage
Gatineau, QC K1A 0S5 CANADA
Internet: questions@tpsgc-pwgsc.gc.ca, www.tpsgc-pwgsc.gc.ca/comm
Service: Federal Government

Minister ............................................................Diane Finley
Minister (Dep) .............................................Michelle d'Auray
CFO .................................................................Alex Lakroni
Dir Genl, Commun.................................Peter Yendall

Saint Lawrence Seaway Development Corp (US) [SLSDC]
Parent/Owner: US Department of Transportation, DC
1200 New Jersey Ave SE
Ste W32-300
Washington, DC 20590
Phone: 202-366-0091  Fax: 202-366-7147
Internet: www.greatlakes-seaway.com
Service: Federal Government

Co-manages the St Lawrence Seaway with the non-profit St Lawrence Seaway Management Corp (Canada) - formerly the Saint Lawrence Seaway Authority - with responsibility for operations between the Port of Montreal, QC, and Lake Erie, NY.
States/Provs: DC NY

KEY PERSONNEL/OFFICES
Admin............................................................Betty Sutton
Admin (Dep) .................................................Craig H. Middelbrook
Ch Counsel ..................................................Carrie Mann Lavigne
Dir, Budget & Prog Off .....................Kevin P. O'Malley
Dir, Congressional & Pub Rels Off ..........Nancy Alcalde
Dir, Trade Dev Off ...............................Rebecca A. Spruill
# Index of Power Plants

## UNITED STATES

### ALABAMA

<table>
<thead>
<tr>
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## ALASKA

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