

# Plug-in Partners Campaign

**Roger Duncan**  
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# The Perfect Storm

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## □ Economics

Cheap oil is running out

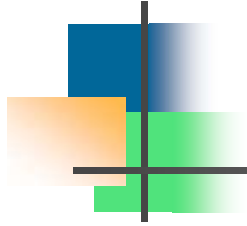
## □ Environmental

Pressure to curb pollutants from transportation

## □ National Security

Pressure to curb dependence on oil





# Alternatives to Petroleum

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- 1. Energy Efficiency**
- 2. Alternative Fuels**
- 3. Hydrogen**
- 4. Electricity**





# Electricity Advantages

- Cost
- Infrastructure
- Multiple Fuels
- Renewable Energy
- Emissions





# Hybrid Vehicles

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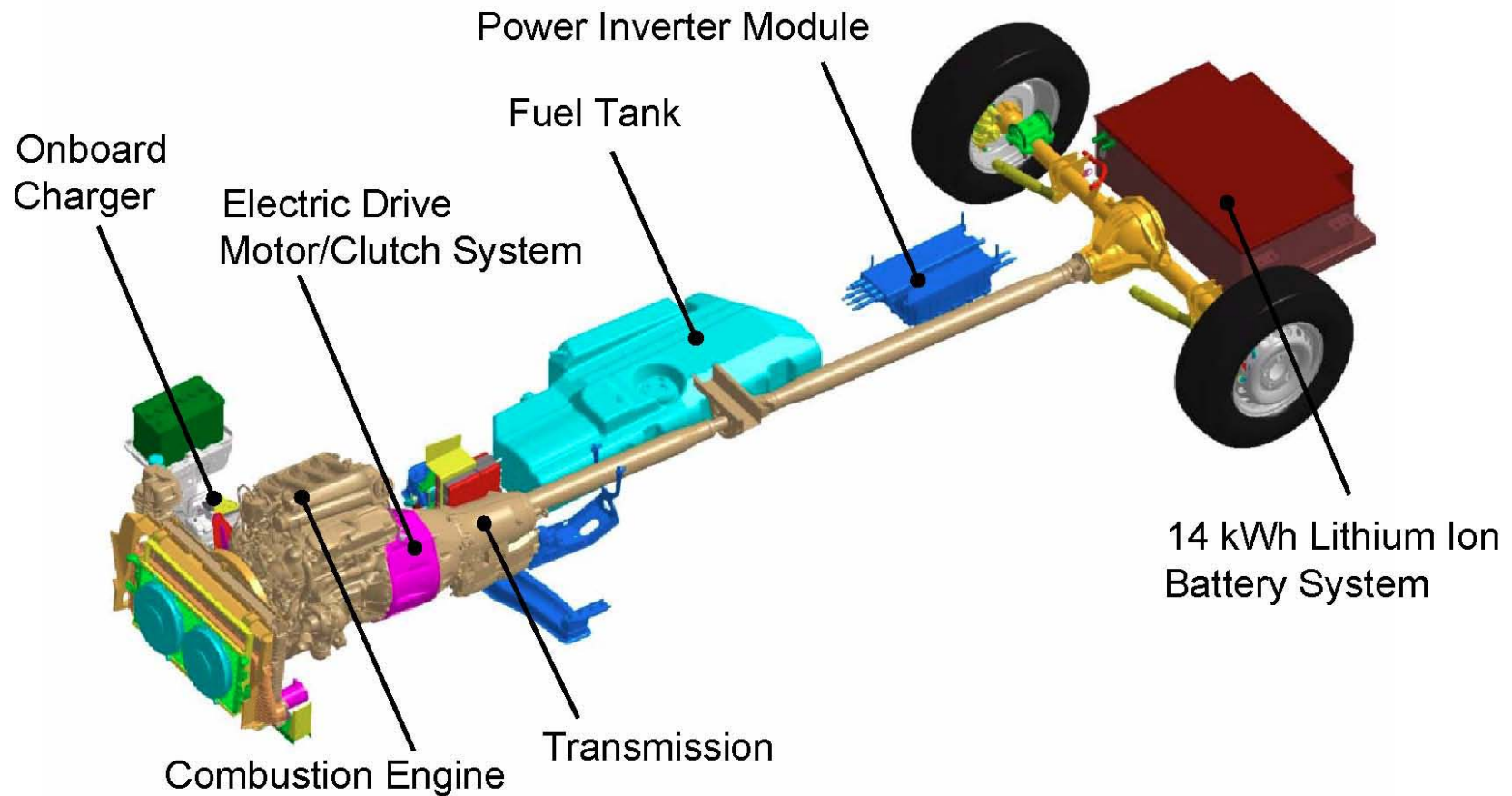


**Toyota Prius**

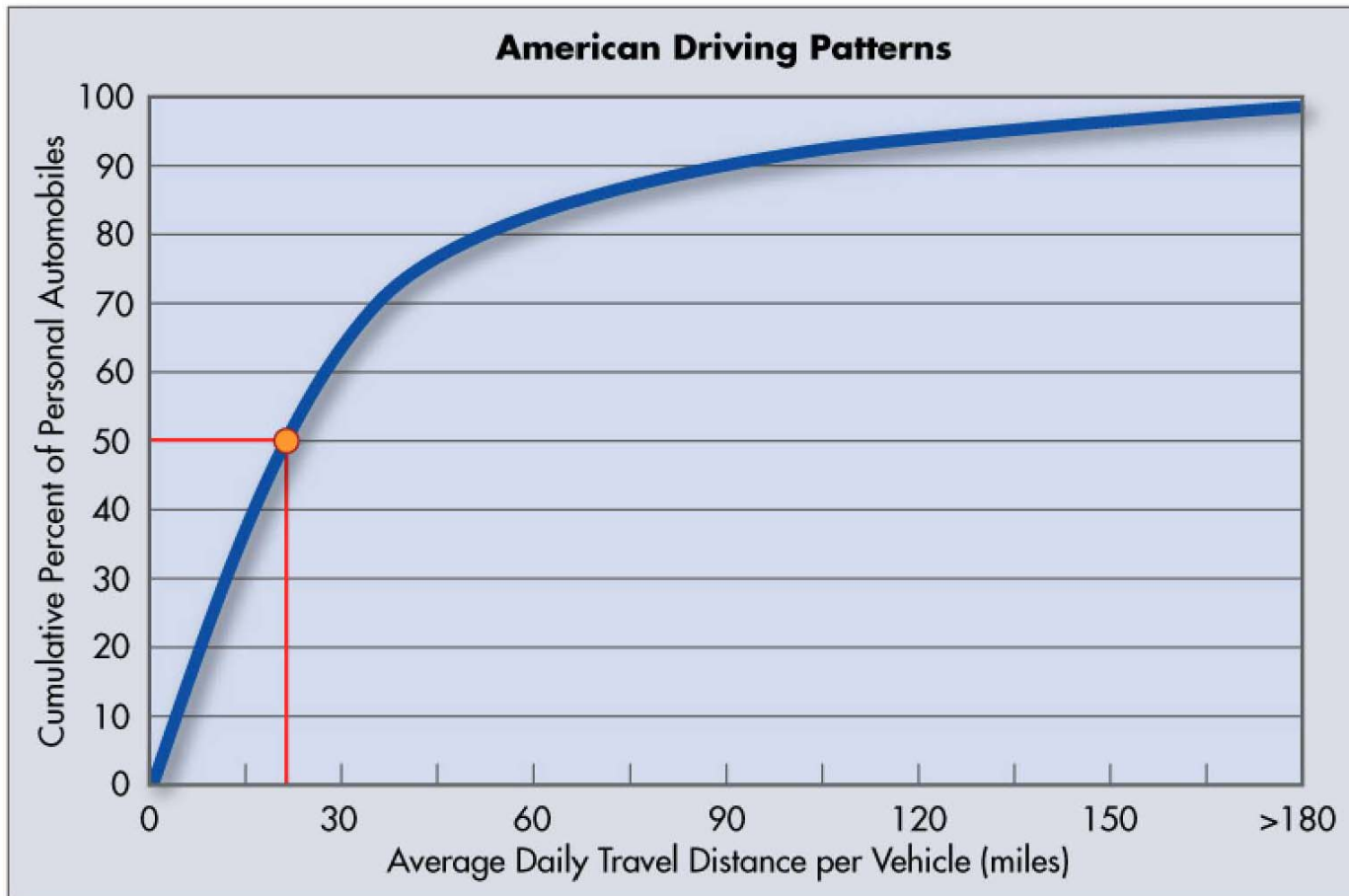


**Honda Civic**

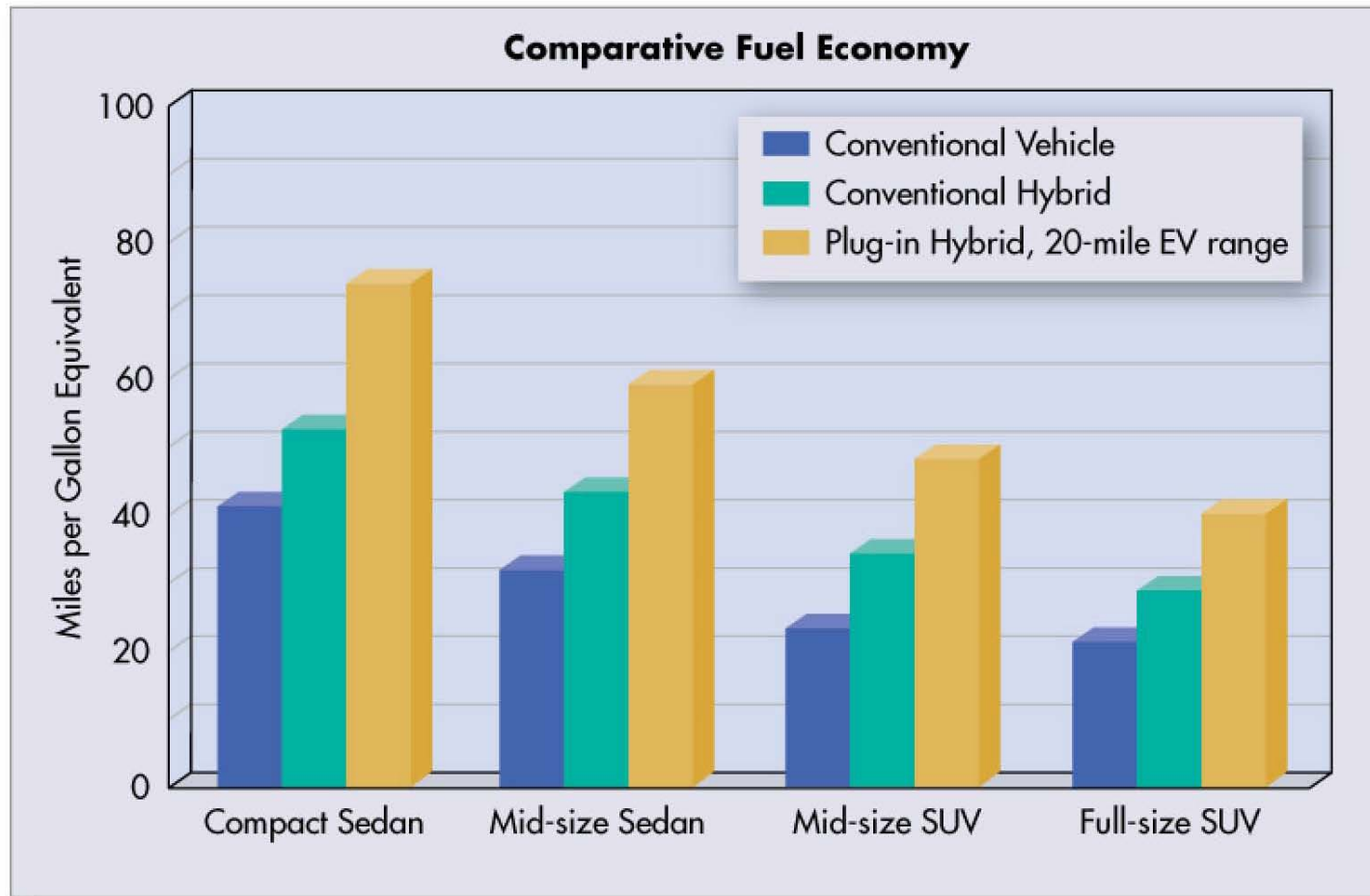
# Plug-In Hybrid Power Train



# Modest Electric Range – Large Impact



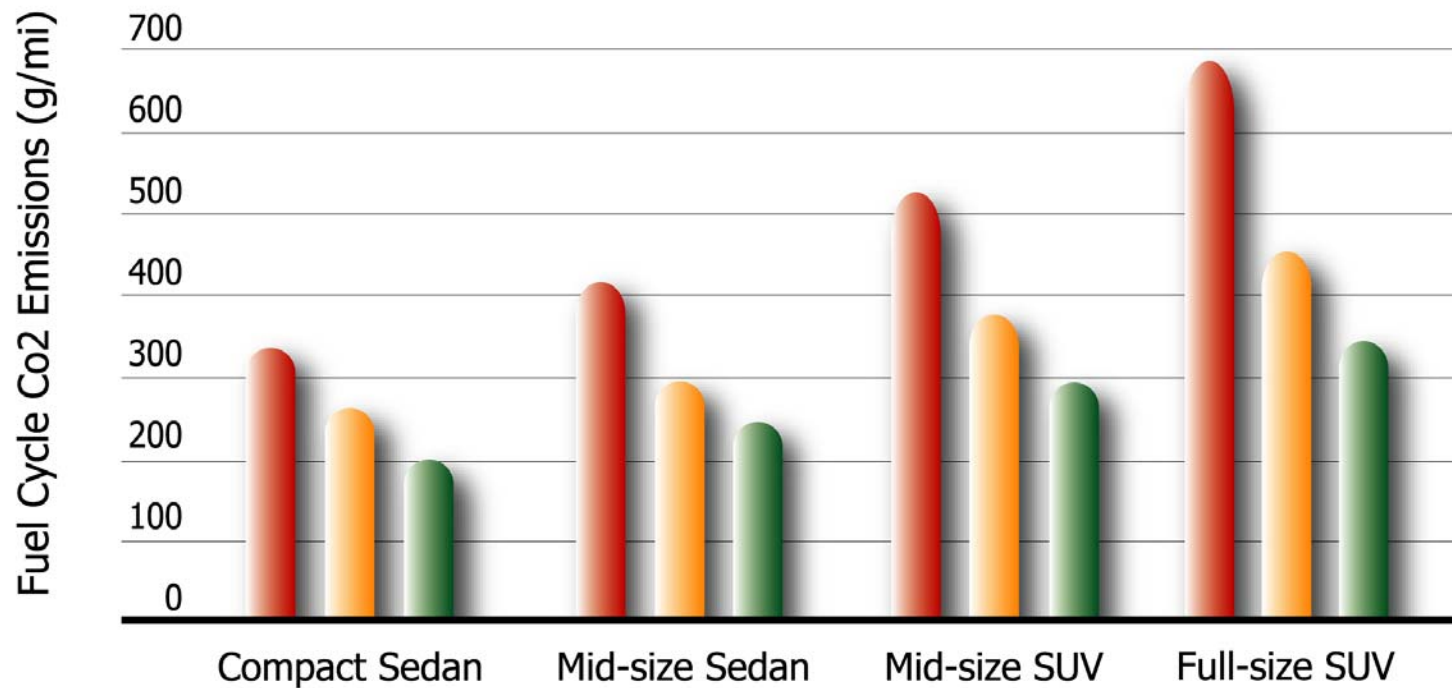
# Plugging In Improves Equivalent Fuel Economy





# Comparative Co2 Emissions

- Conventional Vehicle
- Conventional Power Assist Hybrid
- Plug-In Hybrid, 20-Mile EV Range



# The Dodge Plug-In Hybrid Sprinter



# University of California at Davis



# Prius+







# Plug-In Austin

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- ❑ **Purpose:** Demonstrate a market for flexible-fuel plug-in hybrid electric vehicles
- ❑ Austin Energy rebates
- ❑ City of Austin and other local government and business fleet orders
- ❑ Petitions and endorsements from businesses, environmentalists, and others



# Plug-In Partners Campaign

- ❑ **Purpose:** Demonstrate a national market for flexible-fuel plug-in hybrid electric vehicles
- ❑ **Coalition:** Local and state governments, utilities, businesses and non-profit organizations
- ❑ **Actions:** “Soft” fleet orders, endorsements, rebates and incentives, petitions and letters
- ❑ **Kickoff:** January 24, 2006  
National Press Club  
Washington, DC





# How to Become a Plug-in Partner

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- 1. Pass a Resolution**
- 2. Sign a Letter of Commitment**
- 3. Make a "Soft" Fleet Order**



# Ways to Help as a Partner

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- 1. Obtain “soft” fleet orders from local government and businesses.**
- 2. Create incentives and rebates**
- 3. Support a Petition Drive**
- 4. Consider recruiting other entities in your region**





# A Unique Coalition

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"I call this a coalition between the tree-huggers, the do-gooders, the sod-busters, the cheap hawks, and the evangelicals."

James Woolsey, former CIA Director at January 24,  
2006 Plug-In Partners Kickoff

Plug-in Partners



## City Partners



*Albuquerque, NM*

*Arlington, TX*

*Austin, TX*

*Baltimore, MD*

*Boston, MA*

*Boulder, CO*

*Corpus Christi, TX*

*Dallas, TX*

*Denton, TX*

*Denver, CO*

*Edmond, OK*

*Fayetteville, AR*

*Fort Worth, TX*

*Irvine, CA*

*Kansas City, MO*

*Keene, NH*

*Los Angeles, CA*

*Madison, WI*

*Memphis*

*Oakland, CA*

*Philadelphia, PA*

*Phoenix, AZ*

*Sacramento, CA*

*Salt Lake City, UT*

*San Francisco, CA*

*Santa Barbara, CA*

*Seattle, WA*

*Wenatchee, WA*





*Counties and Local Governments*

*Austin Community College, TX*

*California State Controller*

*Port of Chelan County, WA*

*Sarasota County, FL*

*South Coast Air Quality District*

*Travis County, TX*

*Wenatchee Valley Trans. Council*



*Biofuel Organizations*

*American Corn Growers Association, DC*

*Soybean Producers of America, DC*





## Non-Profits

*American Lung Association, TX*  
*Americans for Energy Independence, CA*  
*Apollo Alliance, WA*



*Association of Energy Engineers, TX*  
*Association of Energy Engineers (Local Chapter, TX), TX*  
*Austin/San Antonio Chapter of the Association of Energy Engineers, TX*  
*Citizens for Rideable Communities, WA*  
*Colorado Energy Group, CO*  
*Electric Power Research Institute (EPRI), CA*  
*Electric Auto Association, CA*  
*Electric Vehicle Association - San Jose, CA*  
*Institute of Electrical and Energy Engineers, TX*  
*Institute of Electrical and Energy Engineers (IEEE), TX*  
*Northeast Sustainable Energy Association (NESEA), MA*  
*NY State Energy & Research Development Agency (NYSERDA), NY*



*Public Technology Institute, DC*  
*Seattle Electric Vehicle Association, WA*  
*Sun Day Campaign, MD*  
*Travis County Green Party, TX*  
*Veridian Corporation*





## *National/Local Environmental Groups*

*Alliance to Save Energy, DC*  
*American Council on Renewable Energy*  
*Blue Water Network (a division of Friends of the Earth), CA*  
*California Cars Initiative, CA*  
*Clean Air Coalition, TX*  
*Clean Air Council, PA*  
*Clean Air Force of Central Texas, TX*  
*Colorado Energy Group, CO*  
*Community Clean Water Institute, CA*  
*Earth Policy Institute, DC*  
*Electric Vehicle Association of Greater DC, DC*  
*Energy Future Coalition, DC*  
*Environmental and Energy Study Institute (EESI), DC*  
*Green Strategies, Inc., DC*  
*Institute for Environmental Research and Education (IERE), WA*  
*Plug-in America*  
*Stella Group, Ltd., DC*  
*Sustainable Dallas, TX*





**National Security Organizations**

Set America Free Coalition  
Center for American Progress  
Institute for the Analysis of Global Security



**National Utility Associations**

American Public Power Association  
Edison Electric Institute

**Public Power Utilities**

Austin Energy  
Memphis Light and Gas  
Akron Municipal Utility, OH  
Alameda Power & Telecom, CA  
American Municipal Power-Ohio  
American Samoa Power Authority (Pago Pago, AS)  
Anaheim Public Utilities, CA  
Arcadia Electric Utility, WI  
Arizona Municipal Power User's Association  
Austin Utilities, MN







*Public Power Utilities (cont'd)*

Barnesville Municipal Power, MN  
Beach City Board of Public Affairs, OH  
Benton PUD (Kennewick, WA)  
Bowling Green Municipal Utilities, KY  
Braintree Electric Light Department, MA.  
Brigham City Corp., UT  
Bristol Virginia Utilities  
Buffalo Municipal Service, MN  
Burbank Water & Power, CA  
Cavalier Light & Power Plant, ND  
Cedarburg Light & Water Commission, WI  
Chelan County PUD, WA  
City of Batavia, IL  
City of Bentonville, AR  
City of Camilla, GA  
City of Chanute Utility, KS  
City of Columbiana Public Utility, OH  
City of Edmond Utility, OK







*Public Power Utilities (cont'd)*

City of Gunnison Public Utility, CO  
City of Holdrege, NE  
City of Lake City Electric Utility, MN  
City of Lamar Utility, MO  
City of Mansfield, GA  
City of Mesa Electric Utility, AZ  
City of Naperville Dept. of Public Utilities, IL  
City of Redding Electric Utility, CA  
City of Safford, AZ  
City of St. Charles Utility, IL  
City Utilities of Springfield, MO  
Clark Public Utility (Vancouver, WA)  
Clarksville Dept. of Electricity, TN  
Clintonville Water & Electric Plant, WI  
Columbia Power & Water Systems, TN  
Concord Municipal Light Plant, MA  
Cowlitz County PUD (Longview, WA)  
CPS Energy (San Antonio, TX)  
Cumberland Municipal Utility, WI





*Public Power Utilities (cont'd)*

*Cuyahoga Falls Electric Dept., OH*

*Danvers Electric Division, MA*

*Danville Dept. Utilities, VA*

*Douglas County PUD (East Wenatchee, WA)*

*Emerald People's Utility District (Eugene, OR)*

*Energy Northwest (Richland, WA)*

*Erwin Utilities, TN*

*Farmington Electric Utility System, NM*

*Frankfort Electric & Water Plant Board, KY*

*Freeport Electric, NY*

*Gainesville Regional Utility, FL*

*Garland Power & Light, TX*

*Hagerstown Municipal Light Dept., IN*

*Heber Light & Power Co., UT*

*Imperial Irrigation District*

*Independence Light & Power, IA*

*Indianola Municipal Utilities, IA*

*Jackson Utilities & Public Works, MO*





## *Public Power Utilities*

Kansas City Board of Public Utilities, KS

Kaukauna Utilities, WI

Kirkwood Electric Department, MO

Klickitat County PUD, Goldendale, WA

Lakeland Electric, FL

Lebanon Utilities, IN

Lewes Board of Public Works, DE

Lewis County PUD (Chehalis, WA)

Lodi Electric, CA

Long Island Power Authority

Loup River Public Power District (Columbus, NE)

Lower Colorado River Authority

MA. Municipal Wholesale Electric Company

Maquoketa Municipal Electric Utility, IA

McMinnville Electric System, TN

McMinnville Water & Light, OR

Meade Municipal Plant, KS

Monmouth Power & Light, OR

Murray City Power (Murray, UT)





**Public Power Utilities** (cont'd)

*Nebraska Public Power District (Columbus, NE)*

*New York Power Authority*

*Omaha Public Power*

*Pacific County PUD No. 2 (Raymond, WA)*

*Paducah Power System, KY*

*Paris Board of Public Utilities, TN*

*Pasadena Water & Power, CA*

*Pend Oreille County PUD (Newport, WA)*

*Piedmont Municipal Power Agency (Greer, SC)*

*Princeton Municipal Utility, NJ*

*Red Cloud Municipal Electric Dept., NE*

*Rochester Public Utility, MN*

*Rock Falls Electric Dept., IL*

*Rock Hill Utilities, SC*

*Roseville Electric, CA*

*Sacramento Municipal Utility District*

*Salt River Project (Phoenix, AZ)*

*Scottsboro Electric Power Board, AL*





*Public Power Utilities (cont'd)*

- Seattle City Light, WA
- Shelby Division of Electricity & Telecommunications, OH
- Snohomish County PUD (Everett, WA)
- Solvay Electric Dept., NY
- Southern California Public Power Authority (Pasadena)
- Spencerport Electric Dept., NY
- Stephen Municipal Utilities, MN
- Stoughton Utilities, WI
- Tell City Electric Dept., IN
- Town of Haxtun, CO
- Truckee-Donner PUD (Truckee, CA)
- Utilities Plus/CMMPA (Blue Earth, MN)
- Vermont Public Power Supply Authority
- Village of Paw Paw (Paw Paw, MI)
- Village of Rouses Point, NY
- Wadsworth Electric and Communications, OH
- Washington Public Utility District Association (Olympia)
- Watertown Municipal Utilities, SD
- Waverly Light & Power, IA
- Willmar Municipal Utilities Comm., MN
- Wisconsin Public Power Inc. (Sun Prairie, WI)





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