

UP Energy Supply WPPI Energy

Andy Kellen

Assistant Vice President – Power Supply Resources

October 26, 2011

Introduction to WPPI Energy

- Municipal joint action agency
- Serve 51 member electric utilities in Wisconsin, Iowa and Michigan
- Peak load of approximately 1,000 MW



Introduction to WPPI Energy



- 1980 - Wisconsin Public Power Inc. formed by 23 Wisconsin municipal utilities
- 1989 - Acquired first power plant
- 2006 - First non-Wisconsin member
- 2008 - Name changed to WPPI Energy

WPPI Energy UP Members



WPPI Energy UP Members

Member	Joined WPPI	Demand (MW)
Negaunee	2006	3.6
Norway	2006	3.3
Baraga	2006	3.8
L'Anse	2006	2.8
Alger-Delta CEA	2006	10.0
Gladstone	2007	5.4
Crystal Falls	2009	2.2
UP Total		31.1

WPPI -Owned Generation



Boswell Energy Center Unit 4 - 20% ownership (115 MW) of 575 MW coal unit near Grand Rapids, MN

Elm Road Generating Station - 8.33% ownership (51 MW) of each of two 615 MW coal units in Oak Creek, WI



South Fond du Lac Units 1 and 4 - two 84 MW dual-fuel combustion turbines near Fond du Lac, WI

Island Street Peaking Plant - 54-MW dual-fuel combustion turbine in the Kaukauna, WI



WPPI Unit Power Purchases



Point Beach Nuclear Plant - 81 MW of each of two 592 MW nuclear units near Two Rivers, WI

Kendall County Unit 3 - 85 MW of 275 MW combined cycle plant near Joliet, IL

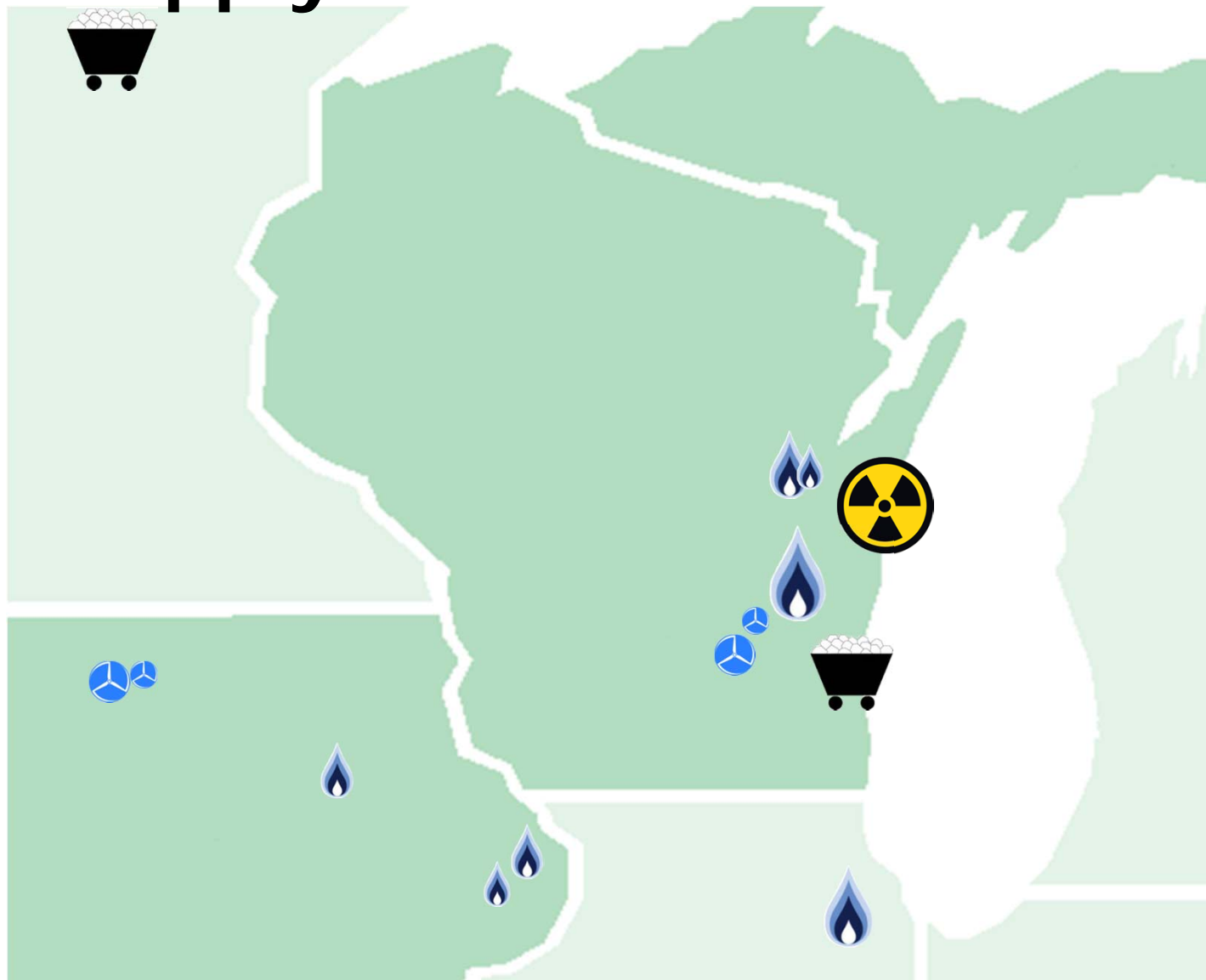


Member-Owned Plants - 65 MW from member diesel and turbine units in Iowa and Wisconsin

Wind - 161 MW from four wind farms in Iowa and Wisconsin



Supply Resource Locations



Wisconsin

Algoma	New Richmond
Black River Falls	Oconomowoc
Boscobel	Oconto Falls
Brodhead	Plymouth
Cedarburg	Prairie du Sac
Columbus	Reedsburg
Cuba City	Richland Center
Eagle River	River Falls
Evansville	Slinger
Florence	Stoughton
Hartford	Sturgeon Bay
Hustisford	Sun Prairie
Jefferson	Two Rivers
Juneau	Waterloo
Kaukauna	Waunakee
Lake Mills	Waupun
Lodi	Westby
Menasha	Whitehall
Mount Horeb	
Muscoda	
New Glarus	
New Holstein	
New London	

Michigan

Alger Delta CEA
Baraga
Crystal Falls
Gladstone
L'Anse
Negaunee
Norway

Iowa

Independence
Maquoketa
Preston

