

Medium and Large Power Transformer Users List

Envirotemp® FR3® Fluid

Retrofill & New Installations

Qty	Base MVA	HV (kV)	LV (kV)	End User	Manufacturer	Type	Cooling Class	Notes
4	8	230	12.47	Missoula Electric Coop Ovando, MT	GE	1 Ph Transm.	KNAN/KNAF/ KFAF	Retrofilled Mar. 2005, Comm. Dec. 2005, Orig. Comm. 1980
1	200	161	19	Alliant Energy Burlington, IA	Moloney	GSU	KNAF	Retrofill March 2004, Orig. Comm. 1966
1	25	161	12.47	Premcor Refinery Memphis, TN	GE	Subst.	KNAN/KNAF/ KNAF	Retrofilled July 2005, Orig. Comm. 1980
2	25	161	12.47	Valero Refinery Memphis, TN	Waukesha Electric Systems	Subst.	KNAN/KNAF/ KFAF	Built & Comm. Feb 2006
1	25	161	12.47	Valero Refinery Memphis, TN	Waukesha Electric Systems	Subst.	KNAN/KNAF/ KFAF	Built & Comm. April 2006
2	64	138	12	Alliant Energy Beloit, WI	GE	GSU	KNAN/KNAF	Retrofilled Dec. 2006, Orig. Comm. 1955
1	36	138	13.8	Tropicana Beverages Bradenton, FL	Westinghouse	GSU	KNAN/KNAF/ KNAF	Retrofilled Aug 2005, Orig. Comm. 1990
1	24	138	24 x 69	ATC DePere, WI	Westinghouse	Subst.	KNAN/KNAF/ KNAF	Retrofill June 2004, Orig. Comm. 1965
1	12	138	12.47	United REMC Roanoke, IN	Waukesha Electric Systems	Dist	KNAN/KNAF/ KNAF	Built, Comm & Retrofilled Dec. 2005
1	120	115	17.5	Alliant Energy Cedar Rapids, IA	North American	GSU	KNAF	Retrofill May 2004, Orig. Comm. 1994
1	55	115	13.2	Alliant Energy Cedar Rapids, IA	Allis Chalmers	GSU	KNAN/KNAF/ KNAF	Retrofill April 2006, Orig. Comm. 1955
1	30	115	6.9	Phelps Dodge Miami, AZ	GE	Subst.	KNAN/KNAF	Rebuild June 2004 by Siemens-USA With LTC
2	15	115	12.47	City of Opalika Alabama	Kuhlman	Subst.	KNAN/KNAF	Built Oct 2004
2	12	115	12.47	Lowier Valley Energy Afton, WY	GE	Subst.	KNAN/KNAF	Retrofill June 2006, Orig. Comm. 1976

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1	50	69	12.47	Alliant Energy Dubuque, IA	Westinghouse	GSU	KNAF	Retrofill October 2001, Orig. Comm. 1957 With LTC
2	30	69	13.8	Archer Daniels Midland Clinton, IA	Waukesha Electric Systems	Subst.	KNAN/KNAF/ KNAF	Built May 2006 & December 2006
1	20	69	13.2	Mau Electric Maalea, HI	ABB	GSU	KNAN/KNAF/ KFAF	Retrofill October 2003, Orig. Comm. 1990
2	18	69	20	So. California Edison California	Kuhlman	Subst.	KNAN/KNAF/ KFAF	Built October 2003 & March 2004
2	14	69	4	Mau Electric Maalea, HI	GE	GSU	KNAN/KNAF/ KNAF	Retrofill Oct. 2003 & May 2004, Orig. Comm. 1973
1	12	69	4.16	American Electric Power Roanoke, VA	Virginia Transf.	GSU	KNAN/KNAF/ KNAF	Built & Comm. August 2005
1	10	69	4.16	People's Coop Rochester, MN	Uptegraff	Subst.	KNAN/KNAF	Built March 2004
2	10	69	12	Dept. of Water & Power Los Angeles, CA	Delta Star	Mobile	KNAN/KNAF/ KNAF	Built & Comm. 2005
2	7.58	69	12.47	Lower Valley Energy Afton, WY	GE	Subst.	KNAN/KNAF	Orig. Comm. 1965, Retrofilled June 2005
2	7.5	69	12.47	Lower Valley Energy Afton, WY	GE	Subst.	KNAN/KNAF	Retrofilled August 2005, Orig. Comm. 1965
1	37.5	67	12.47	Reedy Creek Energy Lake Buena Vista, FL	ASEA	Subst.	KNAN/KNAF	Retrofilled Dec. 2005, Orig. Comm. 1988
2	20	46	13.8	Phelps Dodge Morenci, AZ	Ferranti-Packard	Subst.	KNAN/KNAF/ KNAF	Retrofill Sept. 2004, Orig. Comm. 1981
1	20	46	13.8	Phelps-Dodge Miami, AZ	Ferranti-Packard	Subst.	KNAN, KNAF/ KFAF	Retrofilled May 2005, Orig. Comm. 1995
2	15	44	13.8	Kennecott Copper Salt Lake City, UT	Kuhlman	Subst.	KNAN/KNAF	Retrofilled Aug. 2005, Orig. Comm. 1989
2	7.5	44	4.16	Kennecott Copper Salt Lake City, UT	Westinghouse	Subst.	KNAN/KNAF	Retrofilled Aug. 2005, Orig. Comm. 1989
2	7.5	43.8	4.16	Kennecott Copper Salt Lake City, UT	Westinghouse	Subst.	KNAN/KNAF	Retrofilled Sept. 2006, Orig. Comm. 1986
1	3.75	43.8	4.16	Kennecott Copper Salt Lake City, UT	US Transf.	Subst.	KNAN/KNAF	Retrofilled Sept. 2006, Orig. Comm. 1993
1	3.75	43.8	4.16	Kennecott Copper Salt Lake City, UT	Wagner	Subst.	KNAN/KNAF	Retrofilled Sept. 2006, Orig. Comm. 1993

Qty	Base MVA	HV (kV)	LV (kV)	End User	Manufacturer	Type	Cooling Class	Notes
1	27	37	0.654	Noranda Aluminum New Madrid, MO	Toshiba	Rectif.	KNAN/KNAF	Retrofill May 2004
2	27	37	0.6	Noranda Aluminum New Madrid, MO	Toshiba	Rectif	KNAN/KNAF	Retrofill April 2005
1	26	37	0.6	Noranda Aluminum New Madrid, MO	Fuji	Rectif	KNAN/KNAF	Retrofill April 2005
2	30	34.5	0.6	Noranda Aluminum New Madrid, MO	Fuji	Rectif	KNAN/KNAF	Retrofill April 2005
1	30	34.5	0.562	Noranda Aluminum New Madrid, MO	Fuji	Rectif.	KNAN/KNAF	Retrofill May 2004
1	10	34.5	4.16	Forest Oil Alaska	Cooper	Subst.	KNAN/KNAF	Built November 2002
1	10	33	11	Top Energy New Zealand	LEEEEC (China)	Mobile	KNAN/KNAF	Built November 2002
2	11	20	4.4	Alliant Energy Burlington, IA	Allis Chalmers	Aux. Power	KNAN/KNAF	Retrofill March & May 2004, Orig. Comm. 1966
1	25	19	13.2	Keyspan Energy Queens, NY	Delta Star	Aux. Power	KNAF	Retrofill April 2004, Orig. Comm. 2000
1	10	18	2.4	Alliant Energy Cedar Rapids, IA	GE	Aux. Power	KNAF	Retrofill May 2004, Orig. Comm. 1965
1	11.5	13.8	4.16	Tropicana Beverages Bradenton, FL	Ward	Subst.	KNAN/KNAF	Retrofilled Aug 2005, Orig. Comm. 1990