

## DE Service Program Summary

FAE - Fly Ash Erosion, CAVT - Cold Air Velocity Test,

CFD - Computational Fluid Dynamics Model, EPRI - Electric Power Research Institute

Year	Country	Utility	Plant	Rating (MW)	Comment
2016	USA	Duke Energy, NC	Belews Creek, U1, 2	1100	Std. FAE Control
2017	CANADA	Catalyst Power, AB	Powel River Div, PB19	Industrial	Std. FAE Control + CFD Model
2013	USA	LUMINANT TXU, TX	SANDOW SES U4	575	Std. FAE Control, Follow-up
2013	USA	Salt River Project, AZ	Navajo GS U3	750	Std. FAE Control Inspection
2012	USA	Salt River Project, AZ	Navajo GS U3	750	Std. FAE Control + CFD Model
2011	USA	First Energy, OH	Bruce Mansfield, U1	914	Std. FAE Control
2011	USA	Pacificorp, UT	Huntington Canyon U1, 2	451	Std. FAE Control, Follow-up
2010	USA	Duke Energy, NC	Belews Creek, U1	1100	Std. FAE Control
2010	USA	Electric Power Research Institute (EPRI)	Charlotte, NC		Guideline Manual Update
2010	BRAZIL	TRACTEBEL ENERGIA	JORGE LACERDA UTL A1	115	Std. FAE Control
2010	BRAZIL	TRACTEBEL ENERGIA	JORGE LACERDA UTL B5	131	Air Heater FAE Control
2010	GREECE	Public Power Corporation, Athens	Angios Dimitris , U2	300	EPRI Demo Site
2009	USA	OAK GROVE MG'T CO., LLC, TX	OAK GROVE SES U2	800	Std. FAE Control
2009	USA	PROGRESS ENERGY SERVICES, INC., NC	ROXBORO GS U4a, 4b	745	Std. FAE Control
2009	USA	We Energies, WI	Milwaukee		Steam Tunnel, CAVT + CFD Model
2009	CANADA	PAPIERS DE PUBLIATIONS, KRUGER, QC	BROMPTONVILLE	Industrial	Std. FAE Control + CFD Model
2009	BRAZIL	TRACTEBEL ENERGIA	JORGE LACERDA UTL B5	131	EPRI Demo Site
2008	USA	Arizona Public Service, NM	Four Corners U5	750	Std. FAE Control
2008	USA	Luninant - TXU, TX	Monticello SES U3	600	Std. FAE Control
2008	USA	LUMINANT TXU, TX	SANDOW SES U4	575	Std. FAE Control, Post
2008	SPAIN	Endessa SA	Teruel U1, 2, 3	350	EPRI Demo Site
2007	USA	CARGILL NA SWEETENERS, IA	EDDYVILLE U1, 2, 4	Industrial	CFD Model (Econ In Duct)
2007	USA	Duke Energy, NC	Belews Creek, U1	1100	Std. FAE Control + CFD Model
2007	USA	Pacificorp, UT	Huntington Canyon U2	450	Std. FAE Control
2007	USA	Public Service of NM (PNM), NM	San Juan GS U2	360	Std. FAE Control, Inspection
2007	CANADA	EPCOR, AB	Genesee Gen Sta U1	390	Std. FAE Control + CFD Model
2007	CANADA	EPCOR, AB	Genesee Gen Sta U3	490	Std. FAE Control
2007	CANADA	TransAlta Energy Corp, AB	Keephills		Mineral transformation paper
2007	SPAIN	Endessa SA	Compostilla U4, 5	350	Std. FAE Control

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2006	USA	American Electric Power, OH	Gavin U1, 2	1300	Std. FAE Control
2006	USA	First Energy, OH	Bruce Mansfield, U2	914	Std. FAE Control + CFD Model
2006	USA	TXU, TX	MARTIN LAKE SES U1	750	EPRI Collaboration
2006	USA	TXU, TX	MONTICELLO SES U1	575	Std. FAE Control
2006	USA	TXU, TX	MONTICELLO SES U2	575	Std. FAE Control, Post
2006	USA	TXU, TX	SANDOW SES U4	575	Std. FAE Control, Pre
2006	USA	PROGRESS ENERGY SERVICES, INC., NC	ASHVILLE GS U2	205	Std. FAE Control
2006	USA	Public Service of NM (PNM), NM	San Juan GS U1	360	Std. FAE Control
2006	USA	Public Service of NM (PNM), NM	San Juan GS U3	360	Std. FAE Control, No CAVT
2006	CANADA	EPCOR, AB	Genesee Gen Sta U2	390	Std. FAE Control + CFD Model
2005	USA	PROGRESS ENERGY SERVICES, INC., NC	ROXBORO GS U1, 2	670	Std. FAE Control
2005	USA	PROGRESS ENERGY SERVICES, INC., NC	ROBINSON GS U1	670	Std. FAE Control, No CAVT
2005	CANADA	EPCOR, AB	Genesee Gen Sta U1	390	Std. FAE Control + CFD Model
2005	CANADA	TransAlta Energy Corp, AB	Corporate		FAE Algorithm
2004	USA	Arizona Public Service, NM	Four Corners U4	750	Std. FAE Control
2004	USA	LOUISVILLE GAS AND ELECTRIC, KY	CANE RUN GS U4	170	Backpass ash plugging
2004	USA	Ohio Edison/Cnergy, OH	Sammis GS, U5	300	Std. FAE Control
2003	USA	CARGILL NA SWEETENERS, IA	EDDYVILLE U1, 2, 3	Industrial	Std. FAE + CFD Model
2003	USA	KANSAS CITY POWER AND LIGHT, KA	LACYGNE GS U1	850	Std. FAE Control
2003	INDIA	National Thermal Power Corp (NTPC)	NPSC Dadri U4	210	Std. FAE Control
2003	INDIA	National Thermal Power Corp (NTPC)	Rihand STPP U5	510	Std. FAE Control
2003	INDIA	National Thermal Power Corp (NTPC)	Singrauli U7	511	EPRI Demo Site
2001	USA	Duke Energy, NC	Belews Creek, U1	1100	Std. FAE Control
2001	INDIA	National Thermal Power Corp (NTPC)	Korba STSP U4	211	Std. FAE Control
2000	USA	Arizona Public Service, NM	Four Corners U3	220	Follow-up
2000	Hong Kong	Hong Kong electric Co., LTD	Lamma Island U2	250	Std. FAE Control
1999	USA	Salt River Project, AZ	Navajo GS U3	750	Std. FAE Control
1998	USA	Ohio Edison, OH	Sammis GS, U3	180	Std. FAE Control
1996	USA	Potlatch Corp, ID	Lewiston	Industrial	Std. FAE Control + Models
1996	INDIA	Maharastra State Electricity Board (MSEB)	Koradi TPS U5	160	Std. FAE Control
1996	INDIA	Maharastra State Electricity Board (MSEB)	Nasik TPS U4	210	Std. FAE Control
1995	INDIA	Maharastra State Electricity Board (MSEB)	Koradi TPS U7	210	Std. FAE Control

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1994	USA	Potomac Electric Power	Chalk Point U2	355	Std. FAE Control, Pre
1994	USA	John Deere, IA	Dubuque Works	14	Std. FAE Control
1989	USA	Arizona Public Service, NM	Four Corners U3	220	Original EPRI Demo Site
1988	USA	Potomac Electric Power	Morgantown GS U1, 2	624	Original EPRI Demo Site