### Partial Database of Turbine Inlet Cooling (TIC) Installations

Updated: February 21, 2018

Please send corrections or additions to: J.S. Andrepont The Cool Solutions Company CoolSolutionsCo@aol.com

			For question	ns or further	information of	on applications, p	lease contact the	involved TI				
										Weather		
			Turbin	ie Installatio	n Data				Power Enha			System
									from	TIC [1]	Developer, Designer, Equ	ipment Supplier(s), or Installer
1. 20. 137			Simple or	TIC				CT Plant	TIO D	TIO D		Other TIOA Messelver(a)
Initial Year			Combined		Our and the conf			I.S.O.	TIC Power	TIC Power	TICA Manch an with	Other TICA Member(s)
of TIC	CT Plant Owner / Operator	CT Dignt Logotion			Quantity of	CT Moko	CT Model	Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
2010	Deminion Crosneville County	Virginia LICA	СС	Naw	3	MHI	504	4.054.0	400.0	40.00/	Turbina Air Cuatama	CB&I
2018	Dominion Greensville County	Virginia, USA	CC	New	<u>ه</u>	IVIIII	501J	1,354.0	168.0	12.0%	Turbine Air Systems	CDal
2017	Duke Energy - Hines Energy Complex	Bartow, FL	СС	Existing	8	W, Smns & GE	F-Class	1,912.0	220.0	#DIV/0!	Stellar	Crom
2017	Gulf SPP GTS2	Thailand	CC	New	2	Siemens	SGT-800B	120.5	17.6		Turbine Air Systems	G.G
2017	Gulf SPP GTS1	Thailand	CC	New	2	Siemens	SGT-800B	120.5	17.6		Turbine Air Systems	
2017	Gulf SPP GVTP	Thailand	CC	New	2	Siemens	SGT-800B	120.5	17.6		Turbine Air Systems	
2017	HF Lee CC	North Carolina, USA	CC	New	2	Siemens	SGT6-5000F	746.0	81.0		Turbine Air Systems	
2017	GREC 3	Oklahoma, USA	CC	New	1	MHI	501J	452.0	60.0		Turbine Air Systems	
											·	
2016	Malacas	Peru	SC	New	1	Siemens	SGT-800	46.0	4.5		Turbine Air Systems	
2016	Dominion Brunswick County	Virginia, USA	CC	New	3	MHI	501GAC	1,329.0	123.0	#DIV/0!	Turbine Air Systems	CB&I
	_											
2015	Batangas	Philippines	SC	New	2	G.E.	LM 6000 PC-S	98.0	18.0		Turbine Air Systems	
2015	Baytown	Texas, USA	CC	Existing	3	Siemens	W501FD	834.0	78.0		Turbine Air Systems	DN Tanks
2015	G LNG Train 2	Australia	SC	New	6	G.E.	LM 2500+G4				Turbine Air Systems	
2015	G LNG Train 1	Australia	SC	New	6	G.E.	LM 2500+G4				Turbine Air Systems	
2015	AP LNG Train 2	Australia	SC	New	6	G.E.	LM 2500+G4				Turbine Air Systems	
2015	AP LNG Train 1	Australia	SC	New	6	G.E.	LM 2500+G4				Turbine Air Systems	
2015	QC LNG	Australia	SC	New	12	G.E.	LM 2500+G4				Turbine Air Systems	
2014	Amata B. Grim 4 & 5	Thailand	СС	New	4	Siemens	SGT800	246.0	24.0		Turbine Air Systems	
2014	Ibese	Nigeria	SC	New	2	G.E.	LM 6000 PC-S	96.0	13.0		Turbine Air Systems	
2014	Obajana	Nigeria	SC	New	1 1	G.E.	LM 6000 PC-S	48.0	10.0		Turbine Air Systems	
		gu				2.2						
2013	Bulo Bulo	Bolivia	SC	New	1	G.E.	LM 6000 PC	42.0	9.0		Turbine Air Systems	
2013	Sunshine Canyon	California, USA	SC	New	5	Solar	Mercury 50	23.0	4.0		Turbine Air Systems	
2013	Tihama	Saudi Arabia	SC	New	3	G.E.	7FA	544.0	41.0		Turbine Air Systems	
2013	Nesher Cement	Israel	CC	New	2	G.E.	LM 6000 PF	135.0	24.0		Turbine Air Systems	
2013	Golden Spread	Texas, USA	SC	Existing	1	G.E.	7FA	172.0	12.0		Turbine Air Systems	
2013	Dominion Warren County	Virginia, USA	CC	New	3	MHI	501GAC	1,329.0	107.0	#DIV/0!	Turbine Air Systems	DN Tanks
0040	Diamantina	Aatualia	00	NI	4	0:	ССТООО	0.40.0	04.0		Turkin a Air Customa	
2012	Diamantina Salaman I	Australia	CC SC	New New	4 2	Siemens	SGT800	242.0 85.0	24.0 24.0		Turbine Air Systems	
2012 2012	Solomon I SWES Ghana	Australia Ghana	CC	New	4	G.E. Orenda	LM6000PF GT25000	100.0	19.0		Turbine Air Systems	
2012	Proctor and Gamble	Mehoopany, PA, USA	CC	New	4	Rolls Royce	Trent 60	51.0	14.0	27.5%	Turbine Air Systems Stellar	
2012	Diamond Generating Corp.	Mariposa, CA, USA	CC	New	4	G.E.	LM 6000 PC-S	184.0	54.0	29.3%	Stellar	
2012	Diamona Contraining Corp.	manpood, Ort, OOR		. 40 44		J.L.	55551 5 5	10-1.0	] 34.0	20.070	Otoliai	
2011	University of Texas	Austin, TX, USA	CC / CHP	Existing	1	G.E.	LM2500+G4 DLE	32.0	0.0	#DIV/0!	CB&I	Cool Solutions
2011	Talang Duku	Indonesia	SC	New	2	G.E.	TM 2500	62.0	5.0		Turbine Air Systems	
2011	Morichal	Venezuela	SC	New	2	G.E.	LM6000 PC-S	87.4	12.6	14.5%	Turbine Air Systems	
2011	La Raisa II	Venezuela	SC	New	2	G.E.	LM6000 PC-S	86.2	13.8	16.1%	Turbine Air Systems	
2011	Dan River	North Carolina, USA	CC	New	2	G.E.	7FA	620.0	53.0		Turbine Air Systems	
2011	Amata B. Grim	Thailand	CC	New	2	Siemens	SGT800A	123.0	12.0		Turbine Air Systems	
2011	SNC Lavalin	Peru	CC	New	2	G.E.	7241 FA	370.0	86.0	23.2%	Stellar	
2011	Petrobras	Brazil	CC	New	1	G.E.	LM 6000 PC-S	46.0	12.0	26.1%	Stellar	
2011	SG Petroleum	Kuwait City, Kuwait	SC	Existing	2	G.E.	LM 6000 PC	84.2	43.3	105.6%	Turbine Air Systems	
2010	TECO	Houston, TX, USA	SC / CHP	New	4	G.E.	LM 6000 PD-S	45.0	0.0	#DIV/0!	CB&I	Cool Solutions
2010	Orange Grove Energy	Pala, CA, USA	SC/CHP SC	New	2	G.E. G.E.	LM 6000 PD-S LM 6000 PC-S	45.0 99.6	0.0	#DIV/0! #DIV/0!	CDAI	Cool Solutions
2010	Songas	Tanzania	SC	Existing	3	G.E. G.E.	LM 6000 PC-S	99.6 102.9	15.5	#DIV/0! 12.7%	Turbine Air Systems	
2010	Black Hills Colorado IPP	Colorado, USA	CC	New	4	G.E.	LM 6000 PC-S	184.0	42.0	22.8%	Stellar	
2010	Black Hills / Colorado Electric	Colorado, USA	CC	New	2	G.E.	LMS 100 PA	196.0	36.0	18.4%	Stellar	
1 2010	DIGON TIMO / COMMIGNO LIBORIO	55151445, 55A	1 55 1	1404	ı -	O.L.	LIVIO TOUTA	100.0	1 30.0	I 10.7/0	Otoliai	

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Antalya

Drewsen

2008

Turkey

Germany

New

Existing

2

5

Solar

Taurus 70

5.0

Munters

Munters

Notes: All data are approximate and represent examples of TIC installations; however, values reported for each TIC technology are not necessarily representative of the actual number of installations nor are they indicative of the total number for each cooling technology. Efforts have been made to verify the accuracy of the data; however, TICA makes no warranty regarding accuracy or completeness. Data were obtained primarily from TICA members and from other published sources.

For questions or further information on applications, please contact the involved TICA members. Hot Weather **Turbine Installation Data** Power Enhancement TIC System Developer, Designer, Equipment Supplier(s), or Installer from TIC [1] CT Plant Simple or Other TICA Member(s) Initial Year Combined Applied to I.S.O. TIC Powe TIC Powe Existing or Cycle (SC Quantity of TICA Member with **Contributing Products or** of TIC Output Increase Increase **CT Plant Location CT Make CT Model** Services to the Project Operation CT Plant Owner / Operator or CC) New CTs CTs (MW) (MW) (%) **Primary Involvement** 2010 Dominion Energy - Bear Garden New Canton, VA, USA CC New G.E. PG 7241 FA 560.0 60.3 13.5% **Turbine Air Systems DN Tanks** City of Anaheim SC G.E. LM 6000 PC-S 20.9% 2010 Anaheim, CA, USA 185.1 34.8 **Turbine Air Systems** New SC 2010 GenConn Middletown, LLC Middletown, CT, USA New 4 G.E. LM 6000 PC-S 185.1 29.9 17.9% Turbine Air Systems 2010 GenConn Devon, LLC Milford, CT, USA SC G.E. LM 6000 PC-S 185.1 30.2 18.1% **Turbine Air Systems** New 4 SC 2010 Coolidge Power Arizona, USA New 12 G.E. LM 6000 576.0 htg only **Turbine Air Systems** 2010 **Enmax Green Power** Calgary, AB, Canada SC 3 G.E. htg only **Turbine Air Systems** New LM 6000 144.0 CC 2010 **Buck Station** North Carolina, USA 2 G.E. 7FA 550.0 48.0 **Turbine Air Systems** New LM 6000 PC-S 2010 Austin Energy Austin, TX, USA SC New 2 G.E. 92.6 24.5 33.4% **Turbine Air Systems** Brazos Electricl Coop - Johnson I CC 501 F 35.9 **Turbine Air Systems** 2010 Cleburne, TX, USA Existing Siemens 250.0 15.3% **DN Tanks** Cornell University 2009 CC 2 Titan 130 30.0 #DIV/0! CB&I Ithaca, NY, USA New Solar 0.0 2009 Escondido, CA, USA CC Existing 2 G.E. 7FA 565.6 50.0 12.0% **DN Tanks** Sempra 2009 Colorado Energy Management CC 2 501 FD2 19.0 10.1% Stellar Hobbs, NM, USA MHI 188.0 New Brazos Electric Coop - Jack I & II CC 2 + 2G.E. PG 7241 FA 101.2 **DN Tanks** 2009 Jacksboro, TX, USA Exist+New 1,120.0 11.0% **Turbine Air Systems** 2009 Confidential California, USA SC New 2 G.E. LM 6000 PC-S 92.6 0.0 #DIV/0! **Turbine Air Systems** Southeast USA 2009 Mackinaw Power LLC CC 2 G.E. PG 7241 FA 560.0 48.4 10.9% **Turbine Air Systems** New Texas, USA CC G.E. 51.4 **Turbine Air Systems** 2009 Topaz - Barney Davis New 2 PG 7241 FA 500.0 11.5% CC G.E. 2009 Topaz - Nueces Bay Texas, USA 2 PG 7241 FA 500.0 51.4 11.5% **Turbine Air Systems** New City Public Service SC Stellar 2009 Elmendorf, TX, USA Existing 2 G.E. 7FA 2009 Elmendorf, TX, USA SC G.E. LM6000 Stellar City Public Service New 4 Western Farmers Electric Cooperative SC G.E. LM6000 2009 Anadarko, OK, USA New 3 Stellar 2009 Southern Co. USA CC Existing 2 G.E. 7FA **Munters** 2009 FP&L USA CC G.E. 7FA Existing 6 Munters FP&L CC 2009 USA Existing 3 G.E. 7FA 750.0 Munters 2009 Dominion Energy - Fairless Hills Ph 2 Fairless Hills, PA, USA CC G.E. PG 7241 FA 1,038.0 114.9 12.9% **Turbine Air Systems** CB&I, Cool Solutions New 2009 BP Rodeo Texas, USA CC Solar Mercury 50 4.0 Turbine Air Systems New 1.0 2009 Tampa Electric USA 5 **PWPS** FT8 Munters 2008 Arizona Public Service Arizona, USA SC New 2 G.E. LM 6000 PC-S 15.6 19.2% **Turbine Air Systems** 2008 ABA SC G.E. LM 6000 PC-S 10.5% **Turbine Air Systems** Africa New 139.2 13.8 3 SC G.E. 2008 Shumaik Kuwait New 3 LM 6000 PC-S 139.2 35.1 35.7% **Turbine Air Systems** SC 2008 Alghanim Kuwait G.E. LM 6000 PC-S 278.4 74.7 38.0% **Turbine Air Systems** New 6 CC 57.5 2008 Dominion Energy - Fairless Hills Ph 1 Fairless Hills, PA, USA New 2 G.E. PG 7241 FA 519.0 12.9% **Turbine Air Systems** 2008 Massachusetts, USA SC Rolls Royce Trent 60 50.0 10.5 22.9% **Turbine Air Systems** L'Energia Power Station New SC LM 6000 PD-S 27.1 GEA 2008 Niland / Imperial Irrigation District California, USA New 2 G.E. 92.8 37.2% Turbine Air Systems California, USA 2008 Pacific Gas & Electric Company CC New 2 G.E. PG 7241 FA 528.0 61.0 14.1% **Turbine Air Systems** GEA 2008 Winchester Peakers SC G.E. LM 6000 PD-S 185.6 34.2 21.7% **Turbine Air Systems** GEA Texas, USA New **Uruguay UTE Plant** SC G.E. 2008 South America New 2 LM 6000 PC-S 92.8 2.3 2.4% **Turbine Air Systems** 2008 Akmaya Turkey Existing Kawasaki GTC70A 14.0 Munters 2008 Zorlu Energy Turkey Existing ACC units Munters 2008 Mopak Turkey Existing Solar 5.0 Munters Taurus 60 LM6 & 2500 2008 Entek Turkey Existing 5 G.E. 174.0 Munters 2008 Aksa Turkey Existing G.E. LM6000 188.0 Munters Turkey 2008 Ak Gida Existing Solar 7.0 Munters Taurus 70 Besler Gida 2008 Turkey Existing 3 Solar Taurus 60 15.0 Munters 2008 Bosen Energy Turkey Existing 2 G.E. LM6000 84.0 Munters 2008 USA Existing G.E. Frame 5 50.0 **Munters** Enterprise 2008 Packerab/Ge Oil & Gas Middle East New compres'r dr 40.0 Munters 2008 Marib/Ge Oil & Gas Middle East compres'r dr Munters New 25.0 2008 Neerabup Australia New 2 SGT5 2000E 370.0 Munters Australia SGT5 2000E Munters 2008 Braemer New 3 555.0 SGT5 4000F 2008 550.0

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Data were obtained primarily from TICA members and from other published sources.

									Hot	Weather		
			Turbir	ne Installatio	n Data				Power Enha	ancement	TIC	System
									from	TIC [1]	Developer, Designer, Equ	ipment Supplier(s), or Installer
			Simple or	TIC				CT Plant				
Initial Year			Combined					I.S.O.	TIC Power	TIC Power		Other TICA Member(s)
of TIC			Cycle (SC	Existing or	Quantity of			Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
2008	Quatalum	Quatar		New	4	G.E.	Frame 9FA	1,020.0			Munters	
2008	Garri Power Plant	Sudan		Existing	8	G.E.	Frame 6	320.0			Munters	
2008	HECO	USA		New	1	Siemens	501D	136.0			Munters	
2008	Arsenal Hill	USA		New	2	Siemens	501F	373.0			Munters	
2008	Braintree Electric	USA		New	2	Rolls Royce		72.0			Munters	
2008	San Juan Basin/ConocoPhillips	USA		Existing	1	Rolls Royce	Avon				Munters	
2008	Enterprise Products	USA		Existing	2	G.E.	Frame 5				Munters	

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	COOISOIGHOIISCO@ aoi.com			•	•	on applications, p	•			S.		
						,				Weather		
			Turbin	e Installation	n Data				Power Enha	ancement	TIC	System
									from	TIC [1]	Developer, Designer, Equi	ipment Supplier(s), or Installer
Initial Year of TIC Operation	CT Plant Owner / Operator	CT Plant Location	Simple or Combined Cycle (SC or CC)	TIC Applied to Existing or New CTs	Quantity of CTs	CT Make	CT Model	CT Plant I.S.O. Output (MW)	TIC Power Increase (MW)	TIC Power Increase (%)	TICA Member with Primary Involvement	Other TICA Member(s) Contributing Products or Services to the Project
2007	DCP Midstream/Pegasus	US		Existing	2	Solar		10.0			Munters	
2007	Evander Andrews	US		New	1	Siemens	501F	372.0			Munters	
	Caithness			_	1							
2007		US		New	1	Siemens	501F	372.0			Munters	
2007	Amylum Nisasta	Turkey		Existing	1	Solar	Titan	15.0			Munters	
2007	Hayat Temizlik	Turkey		Existing	2	Solar	Taurus 70	11.0			Munters	
2007	Pakmaya	Turkey		Existing	3	Solar	Taurus 60	15.0			Munters	
2007	Alstom (G&H) Munmorah	Australia		New	4	ABB	GT 13 E2	720.0			Munters	
2007	Alstom (R&M) Rio TKS	Brazil		New	2	ABB	GT 11 N2	228.0			Munters	
2007	Alstom (R&M) Al Zhour	Kuwait		New	5	ABB	GT 13 E2	900.0			Munters	
2007	Siemens (R&M) Jebel Ali M	UAE		New	6	Siemens	V 94.3A	1,650.0			Munters	
2007	Williams Energy	Turkey		Existing	2	Solar	Taurus 70	11.0			Munters	
2007	Williams Energy	Turkey		Existing	3	Solar	Taurus 60	15.0			Munters	
2007	Uranquinty	Australia	SC	New	4	Siemens	V94.2	640.0			Munters	
2007	Williams Energy	US		Existing	2	NG compres'r		10.0			Munters	
2007	Mesaieed GE	Qatar		New	6	G.E.	Frame 9FA	1,530.0			Munters	
2007	Southern California Energy	US		New	2	G.E.	LM 6000	86.0			Munters	
2007	Termozulia	Venezuela		New	2	Westinghouse	501F	372.0			Munters	
2007	Kimbassan	Turkey		Existing	1	Solar	Taurus	5.0			Munters	
2007	Halkali Kagit	Turkey		Existing	1	Solar	Taurus	5.0			Munters	
2007	Cyco Fos	France	CC	New	1	ABB	GT 26B	420.0			Munters	
2007	Tallawara	Australia	CC	New	1	ABB	GT 26B	400.0			Munters	
2007	confidential owner	US		Existing	2	Westinghouse	501F	372.0			Munters	
2007	Reliance Industries Limited	Patalganga, Mah., India	SC / CHP	Existing	2	G.Ĕ.	MS 6001B	76.3	0.0	#DIV/0!	Cool Solutions	Avalon Consulting, Pasteris
2007	Sharikat Kahraba Hadjret En-Nouss	Wilaya of Tipaza, Algeria		New	3	G.E.	9FB	1,227.0	160.0	#DIV/0!	Stellar	3,
2007	Inland Empire	California, USA	CC	New	2	G.E.	7H	',			Turbine Air Systems	
				-		_						
2006	Citizens Utilities Co	US		Existing	1	G.E.	LM2500	29.0			Munters	
2006	Pneumafil/Desert Basin	US		Existing	1	Siemens	501F	588.0			Munters	
2006	Pneumafil/Lakeside	US		Existing	2	Siemens	501F	373.0			Munters	
2006	Ege Seramik	Turkey		Existing	2	Solar	Centaur 50	8.0			Munters	
2006	Graniser	Turkey		Existing	1	Solar	Taurus 60	5.0			Munters	
2006	Termal Seramik	Turkey		Existing	1	Solar	Centaur 50	4.0			Munters	
2006	Altinyildiz	Turkey	CC	Existing	1	Solar	Taurus 60	5.0			Munters	
2006	Energetica Kladno	CZ		Existing	1	ABB	GT 8C	54.0			Munters	
2006	Stora Enso	Germany		Existing	1	G.E.	Frame 5	25.0			Munters	
2006	ENEL	Italy		New	2	Siemens	V94.3A	540.0	[		Munters	
2006	Siemens (R&M)	US		New	1	Siemens	5000 F	200.0	[		Munters	
2006	Siemens (R&M)	Middle East		New	3	Siemens	V94.3A	810.0			Munters	
2006	Siemens (R&M)	Middle East		New	4	Siemens	V94.3A	1,080.0	[		Munters	
2006	Kastamanou Entegre	Turkey		Existing	2	Solar	Taurus 60	10.0	[		Munters	
2006	Lenzing	Austria		Existing	2	Solar	Taurus 60	9.0			Munters	
2006	Goodyear	Turkey		Existing	2	Solar	Taurus 60	10.0	[		Munters	
2006	Alstom (G+H)	Australia		New	2	ABB	GT 26B	540.0	[		Munters	
2006	Siemens (G+H)	India		New	3	Siemens	V94.3A	840.0			Munters	
2006	Kappa Zülpich	Germany		Existing	3	Rolls Royce	v 07.0/\	14.0	[		Munters	
2006	Kappa Zuipicii Kartonsan	Turkey		Existing	J 1	Solar	Taurus 60	20.0	[		Munters	
2006	Hayat Kimya	Turkey		Existing	1	Solar	Taurus 60	5.0			Munters	
		-		_		Solar			[		Munters	
2006	Kastamanou Entegre	Turkey		Existing	6		Taurus 70	8.0	[		Munters	
2006	First Gas & Power Kwinana	Phillipines		Existing	0 1	Siemens ABB	V94.2A GT 26	936.0				
2006	rwiilalia	Australia		New	'	ADD	G1 20	270.0	I	l	Munters	

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			roi questioi	is or further	inionnation o	n applications, p	olease contact the	involved 11		Weather		
			Turbin	e Installatio	n Doto				Power Enha		TIC	System
			Turbiri	e iristaliatioi	I Dala							ipment Supplier(s), or Installer
			Simple or	TIC				CT Plant	110111		Developer, Designer, Equi	prinerit Supplier(s), or installer
Initial Year			Combined					I.S.O.	TIC Power	TIC Power		Other TICA Member(s)
of TIC					Quantity of			Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
Operation	OT Flam Owner / Operator	OTT Idit Education	01 00)	140W 013	010	OT Make	OT WOOD	(10100)	(10100)	(70)	Trimary involvement	oct vices to the Froject
2005	Altair/GSEG	India		Existing	2	ABB	GT 8C	108.0			Munters	
2005	AAF/Unisource	USA		Existing	1	G.E.	LM2500	29.0			Munters	
2005	AAF/Iberese	USA		Existing	1	G.E.	LM2500	29.0			Munters	
2005	Pneumafil/Mankato	USA		Existing	1	Siemens	501F	187.0			Munters	
2005	Siemens (R&M)	Italy		New	2	Siemens	V94.3A	540.0			Munters	
2005	Alkim Kagit	Turkey		Existing	1	Solar	Taurus 60	5.0			Munters	
2005	Siemens (Kaefer)	Singapore		Existing	2	Siemens	V94.3A	540.0			Munters	
2005	ENEL	Italy		Existing	1	Siemens	V94.3A V94.3A	270.0			Munters	
2005	Hayat Kagit	Turkey		Existing	1	Solar	Taurus 70	8.0			Munters	
2005	Desa	Turkey		Existing	2	Solar	Taurus 60	10.0			Munters	
2005	Ayka Tekstil	Turkey		Existing	1	Solar	Taurus 60	5.0			Munters	
2005	Tuma Turbomach	Pakistan		New	1	Solar	Taurus	5.0			Munters	
2005	Alstom (AAF)	Australia		New	3	ABB	13 E2	495.0			Munters	
2005	Tuma Turbomach	Switzerland		New	1	Solar	Taurus 60	5.0			Munters	
2005	Alstom (R&M)	Thailand		New	4	ABB	GT 26B	1,080.0			Munters	
2005	Man Turbo	Germany		Existing	2	FT8	Twinpack	96.0			Munters	
2005	Siemens (R&M)	Middle East		New	10	Siemens	V94.3A	1,600.0			Munters	
2005	Siemens (R&M)	Middle East		New	3	Siemens	V94.3A	780.0			Munters	
2005	ENEL	Italy		New	1	Siemens	V94.3A	260.0			Munters	
2005	Kings River Conservation District	Fresno, CA, USA	SC	New	2	G.E.	LM 6000	97.0	18.0	#DIV/0!	Stellar	
2005	Silicon Valley Power	San Jose, CA, USA	CC	New	2	G.E.	LM 6000	97.0	18.0	#DIV/0!	Stellar	
2005	Al Mussiab, Iraq	S. of Baghdad, Iraq	SC	New	10	G.E.	LM 6000	450.0	10.0	<i>"В</i> 1776.	Stollar	
2005	Austin Energy - Children's Hospital	Austin, TX, USA	SC / CHP	New	1	Solar	Mercury 50	4.3			Turbine Air Systems	CB&I, Cool Solutions
2005	confidential owner	Colombia	SC	New	2	G.E.	LM 6000	96.9	20.1	#DIV/0!	Turbine Air Systems	5 2 s.i., 5 3 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1
2005	confidential owner	municipality, S.E. USA	SC	New	1 1	G.E.	LM 6000	42.6	14.5	#DIV/0!	Turbine Air Systems	GEA
2005	confidential owner	municipality, S.E. USA	SC	New	1 1	G.E.	LM 6000	42.6	14.5	#DIV/0!	Turbine Air Systems	GEA
2005	confidential owner	Nigeria	SC	New	3	G.E.	LM 6000	145.3	23.9	#DIV/0!	Turbine Air Systems	<u> </u>
2005	confidential owner	Riyadh, K. Saudi Arabia	SC	Existing	10	G.E.	7EA	750.0		30%	Stellar	Cool Solutions
2005	City of Lafayette	Lafayette , LA, USA	SC	New	2	G.E.	LM 6000	96.9	14.7	#DIV/0!	Turbine Air Systems	
2005	Modesto Irrigation District	Ripon, CA, USA	SC	New	2	G.E.	LM 6000	96.9	16.1	#DIV/0!	Turbine Air Systems	
2005	Princeton University	Princeton, NJ, USA	SC / CHP	Existing	1	G.E.	LM 1600	14.6	2.5	#DIV/0!	Cool Solutions	CB&I
2005	City of Riverside	Riverside, CA, USA	SC	New	2	G.E.	LM 6000	96.9	24.4	#DIV/0!	Turbine Air Systems	

### Partial Database of Turbine Inlet Cooling (TIC) Installations

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J.S. Andrepont
The Cool Solutions Company
CoolSolutionsCo@aol.com

			For question	ns or further	•		lease contact the			S.		
						арриоаноло, р	10000 00111001 1111			Weather		
			Turbin	e Installation	n Data				Power Enha		TIC	System
												ipment Supplier(s), or Installer
			Simple or	TIC				CT Plant		[1]		.,(с),
Initial Year			Combined					I.S.O.	TIC Power	TIC Power		Other TICA Member(s)
of TIC					Quantity of			Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
	·		,					,	, ,	,	,	,
2004	Csepel Energia Kft	Hungary		Existing	2	G.E.	Frame 9E	266.0			Munters	
2004	Alstom (G+H)	India		New	2	ABB	13 E2	324.0			Munters	
2004	Akenerji	Turkey		Existing	6	EGT	Typhoon	30.0			Munters	
2004	Camfil	Greece		New	1	ABB	GT 10	19.0			Munters	
2004	Zorlu Enerji	Turkey		Existing	3	G.E.	LM 6000	126.0			Munters	
2004	Dresden Papier	Germany		Existing	2	Solar	Taurus 60	9.0			Munters	
2004	ENEL	Italy		Existing	9	Siemens	V94.3A	2,340.0			Munters	
2004	Modern Enerji	Turkey		Existing	2	ABB	GT 10	40.0			Munters	
2004	Modern Enerji	Turkey		Existing	2	gen'r cooling	51 10	70.0			Munters	
2004	Modern Enerji	Turkey		Existing	2	Solar	Mars	20.0			Munters	
2004	EEE	Turkey		Existing	1	G.E.	Frame 6	40.0			Munters	
2004	Bilenerji	Turkey		Existing	1	Rolls Royce	RB211	24.0			Munters	
2004	Austin Energy - Domain	Austin, TX, USA	SC / CHP	New	1	Solar	Centaur 50	4.5			Turbine Air Systems	
2004	confidential owner	Colombia	SC	New	1	G.E.	LM 6000	48.4	10.0	#DIV/0!	Turbine Air Systems	
2004	GFS	Long Island, NY, USA	SC	New	1	G.E.	LM 6000	48.4	7.6	#DIV/0! #DIV/0!	Turbine Air Systems	
2004	Irag MOE	Iraq	SC	New	1	G.E.	LM 6000	170.5	58.9	#DIV/0! #DIV/0!	Turbine Air Systems	
2004	Irag MOE	Iraq	SC	New	1	G.E.	LM 6000	42.6	14.1	#DIV/0!	Turbine Air Systems	
2004	Lafarge Gypsum Division	Silver Grove, KY, USA	SC / CHP	New	1	O.L.	LIVI 0000	5.0	14.1	#51770:	Turbine All Oysterns	
2004	National Institute of Health	Bethesda, MD, USA	CC	New	1	Alstom	GT 10	22.0	2.7	14%		
2004	Newcrest Mining - Telfer	Port Hedland, Australia	SC	New	2	G.E.	LM 6000	96.8	0.0	#DIV/0!	Turbine Air Systems	
2004	NRG - Meriden [5]	Meriden, CT, USA	CC	New	2	G.E.	PG7241FA	475.0	64.4	#DIV/0! #DIV/0!	Turbine Air Systems	
2004	NRG - Pike County [5]	Summit, MS, USA	CC	New	1	G.E.	PG7241FA	1,126.0	127.6	#DIV/0! #DIV/0!	Turbine Air Systems  Turbine Air Systems	
2004	City of San Antonio	Leon Creek, TX, USA	SC	New	4	G.E.	LM 6000	193.7	37.9	#DIV/0! #DIV/0!	Turbine Air Systems	
2004	West Minnesota Municipal	Exira Station, IA, USA	SC	New	2	G.E.	LM 6000	96.9	13.8	#DIV/0! #DIV/0!	Turbine Air Systems	
2004	West Will Hesota Wurlicipal	Exila Station, IA, USA	30	INCW	2	G.L.	LIVI 0000	90.9	13.0	#DIV/0:	Turbline All Systems	
2003	GE/Escatron	Spain		New	4	G.E.	LM 6000	168.0			Munters	
2003	Zorlu Enerji	Turkey		New	1	G.E.	LM 6000	42.0			Munters	
2003	AAF/Fars Iran	Iran		New	2	G.E.	Frame 9E	246.0			Munters	
2003	Form/Akin Tekstil	Turkey		Existing	1	Solar	Taurus 60	5.0			Munters	
2003	Tuma Turbomach/ Pakistan	Pakistan		New	1	Solar	Taurus 60	5.0			Munters	
2003	AES Sylvarena	Sylvarena, MS, USA	SC	New	3	G.E.	LM 6000	145.2	27.0	#DIV/0!	Turbine Air Systems	
2003	BTU Energy - Bryan Energy Facility	Bryan, TX, USA	SC	New	1	G.E.	LM 6000	45.0			Stellar	
2003	NRG - Calpine - Brazos Valley	Thompsons, TX, USA	CC	New	2	G.E.	PG7241FA	631.0	59.0	#DIV/0!	Turbine Air Systems	
2003	Calpine - Stony Brook	Stony Brook, NY, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2003	DENA - Deming Energy Facility	Deming, NM, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2003	DENA - Fayette Energy Facility	Fayette, PA, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2003	DENA - Grays Harbor Energy Facility	Grays Harbor, WA, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2003	DENA - Hanging Rock Energy Facility	Hanging Rock, OH, USA	CC	New	4	G.E.	7FA	680.0			Stellar	
2003	DENA - Moapa Energy Facility	Apex, AZ, USA	CC	New	4	G.E.	7FA	680.0			Stellar	
2003	Glendale - Grayson	Glendale, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	

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J.S. Andrepont
The Cool Solutions Company
CoolSolutionsCo@aol.com

			For question	s or further	information o	n applications, i	please contact the	e involved TI	CA members	S.		
										Weather		
			Turbin	e Installation	n Data				Power Enha	ancement	TIC	System
									from	TIC [1]	Developer, Designer, Equ	ipment Supplier(s), or Installer
			Simple or	TIC				CT Plant				
Initial Year			Combined					I.S.O.	TIC Power	TIC Power		Other TICA Member(s)
of TIC			Cycle (SC	Existing or	Quantity of			Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
2002	GE/Lawrence County	Canada		New	6	G.E.	LM 6000	288.0			Munters	
2002	VAW	USA		New	6	P&W	Twin Pack	150.0			Munters	
2002	AAF/Covert	USA-MI		New	3	MHI	501G	762.0			Munters	
2002	AAF/Tupelo	USA-MS		New	2	MHI	501G	508.0			Munters	
2002	Pneumafil/Santa Cruz	Brazil		New	2	SW	501F	372.0			Munters	
2002	Pneumafil/Tractabel II	USA		New	2	SW	501G	508.0			Munters	
2002	Pneumafil/Fisk Peakers	USA		New	3	SW	501F	558.0			Munters	
2002	Pneumafil/Tractabel	USA		New	2	SW	501G	508.0			Munters	
2002	Pneumafil/Allegheny	USA		New	2	SW	501F	372.0			Munters	
2002	Pneumafil/Norte Fluminense	USA		New	3	SW	501F	558.0			Munters	
2002	GE/Ompa Ponca			New	1	G.E.	LM 6000	45.0			Munters	
2002	Stadtwerke Erfurt			Existing	2	G.E.	LM2500	50.0			Munters	
2002	Swanbank			New	1	ABB	GT 26	270.0			Munters	
2002	Pacific Corp			New	3	G.E.	LM 6000	126.0			Munters	
2002	Zorlu Enerji			Existing	2	EGT	Tempest	15.0			Munters	
2002	Nuh Enerji			Existing	1	G.E.	LM 2500	27.0			Munters	
2002	Zorlu Enerji			Existing	1	G.E.	LM 2500	27.0			Munters	
2002	Zorlu Enerji			Existing	2	G.E.	LM 6000	84.0			Munters	
2002	Oglethorpe			New	2	Siemens	V84.2	340.0			Munters	
2002	Black Hills Power - Las Vegas Cogen	Las Vegas, NV, USA	CHP	-	4	G.E.	LM 6000	180.0			Stellar	
2002	Calpine - Bethpage	Bethpage, NY, USA	sc	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Creed	Suisun City, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Feather River	Yuba City, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Gilroy	Gilroy, CA, USA	SC	New	3	G.E.	LM 6000	145.2	27.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Goose Haven	Suisun City, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - King City	King City, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Lambie	Suisun City, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine C-Star - Los Esteros	San Jose, CA, USA	CC	New	4	G.E.	LM 6000	193.6	36.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - River View	Antioch, CA, USA	SC	New	1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Wolfskill	Suisun City, CA, USA	SC	New	'1	G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	Calpine - Yuba City	Yuba City, CA, USA	SC	New		G.E.	LM 6000	48.4	9.0	#DIV/0!	Turbine Air Systems	
2002	DENA - Arlington Valley Energy Facility	Arlington, AZ, USA	CC	New	2	G.E.	7FA	340.0	0.0		Stellar	
2002	DENA - Hot Spring Energy Facility	Hot Spring, AR, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2002	DENA - Murray Energy Facility	Dalton, GA, USA	CC	New	4	G.E.	7FA	680.0			Stellar	
2002	DENA - Washington Energy Facility	Columbus, OH, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2002	El Paso - Corona Cogen	Corona, CA, USA	SC / CHP	Existing	<del>-</del>	G.E.	LM 5000	33.8	12.0	#DIV/0!	Stellar	
2002	TECO - Dell Generating Station	Dell, AR, USA	CC	New	2	G.E.	7FA	340.0	'"		Stellar	
2002	TECO - McAdams Generating Facility	McAdams, MS, USA	CC	New	2	G.E.	7FA	340.0	[		Stellar	

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J.S. Andrepont

The Cool Solutions Company
CoolSolutionsCo@aol.com

	CoolSolutionsCo@aol.com			•	•		lease contact the			S.		
						, р				Weather		
			Turbin	e Installation	n Data				Power Enha	incement	TIC	System
									from	TIC [1]	Developer, Designer, Equ	ipment Supplier(s), or Installer
			Simple or	TIC				CT Plant				
Initial Year			Combined					I.S.O.	TIC Power			Other TICA Member(s)
of TIC					Quantity of			Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
2001	Massac - Mid West Energy	USA-IL		New	2	G.E.	Frame 6	78.0			Munters	
2001	McGuffy	USA		New	9	P&W	Twin Pack	225.0			Munters	
2001	VAW	USA		New	14	P&W	Twin Pack	350.0			Munters	
2001	Alliance Colton	USA		New	8	G.E.	10	88.0			Munters	
2001	Pneumafil	USA-LA		New	2	SW		0.0			Munters	
2001	Pneumafil	USA		New	3	SW	501F	558.0			Munters	
2001	Pneumafil/Sithe	USA		New	2	MHI	701F	540.0			Munters	
2001	Pneumafil/Calpine Hillabee	USA		New	2	SW	501G	508.0			Munters	
2001	Pneumafil/Naconagolez	USA		New	1	SW	501G	254.0			Munters	
2001	Pneumafil/FPL RISE	USA		New	2	SW	501F	372.0			Munters	
2001	Pneumafil/Araucaria	Brazil		New	2	SW	501F	372.0			Munters	
2001	Pneumafil/Equistar	USA		New	4	SW	501F	744.0			Munters	
2001	Camfil/Farr	USA		New	2	G.E.	Frame 6B	78.0			Munters	
2001	Camfil/Farr	USA		New	3	RB	211	84.0			Munters	
2001	International Paper	USA		New	1	G.E.	Frame 6	39.0			Munters	
2001	TriGen-Cynergy	USA		New	5	Rolls Royce		70.0			Munters	
2001	Universal Silencer	USA-FL		New	1	G.E.	Frame 5 LA	23.0			Munters	
2001	Universal Silencer	USA		New	4	G.E.	10	44.0			Munters	
2001	AAF/Greystone	USA-TN		New	3	MHI	501F	558.0			Munters	
2001	AAF/Campeche	Mexico		New	1	MHI	501F	186.0			Munters	
2001	AAF/Tuxpan	Mexico		New	4	MHI	501F	744.0			Munters	
2001	AAF/Wyandotte	USA-MI		New	2	MHI	501F	372.0			Munters	
2001	AAF/Granbury	USA-TX		New	2	MHI	501G	508.0			Munters	
2001	AAF/Altamira	Mexico		New	2	MHI	501G	372.0			Munters	
2001	Bioc	Irak		New	5	ABB	GT 11 N	550.0			Munters	
2001	Covap	Switzerland		New	1	Solar	Taurus	4.0			Munters	
2001	Holden	USA		New	3	Siemens	V84.2	510.0			Munters	
2001	Monterrey	Mexico		New	4	ABB	GT 24	2,720.0			Munters	
2001	Oglethorpe	USA		New	4	Siemens	V84.2	424.0			Munters	
2001	Senoko	Singapore		New	1	ABB	GT 26	260.0			Munters	
2001	Swanbank	Australia		New	1	Alstom	GT 26	250.0			Munters	
2001	Union Carbide	USA		Existing	2	MHI	501F	340.0			Munters	
2001	DENA/PPL Global-Griffith Energy Fac	Griffith, AZ, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2001	El Paso - Macae	Macae, RJ, Brazil	SC	New	20	G.E.	LM 6000	968.0	180.0	#DIV/0!	Turbine Air Systems	
2001	Enron International - Electrobolt	Seropedica, RJ, Brazil	SC	New	6	G.E.	LM 6000	290.4	54.0	#DIV/0!	Turbine Air Systems	
2001	Enron International - Electrobolt	Seropedica, RJ, Brazil	SC	New	2	G.E.	LM 6000	96.8	18.0	#DIV/0!	Turbine Air Systems	
2001	Enron North America / Austin Energy	Austin, TX, USA	SC	New	4	G.E.	LM 6000	193.6	36.0	#DIV/0!	Turbine Air Systems	
2001	GE / Calpine - Westbrook Energy Fac	Westbrook, ME, USA	CC	New	2	G.E.	7FA	340.0			Stellar	
2001	Grays Ferry Cogeneration	Philadelphia, PA, USA	CC / CHP	Existing	1	Westinghouse	501	120.0	15.0	#DIV/0!	Cool Solutions [3]	
2001	Wildflower - Palm Springs	Palm Springs, CA, USA		New	1	G.E.	LM 6000	48.8	9.0	#DIV/0!		
2001	Wildflower - San Diego	San Diego, CA, USA	SC	New	2	G.E.	LM 6000	97.6	18.0	#DIV/0!		

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J.S. Andrepont

The Cool Solutions Company
CoolSolutionsCo@aol.com

1999

Illinova -El Paso Energy

Danville, IL, USA

SC

New

Notes: All data are approximate and represent examples of TIC installations; however, values reported for each TIC technology are not necessarily representative of the actual number of installations nor are they indicative of the total number for each cooling technology.

Efforts have been made to verify the accuracy of the data; however, TICA makes no warranty regarding accuracy or completeness.

Data were obtained primarily from TICA members and from other published sources.

	Cooloolutions co @ aoi.com			•	•	on applications, p	•			S.		
						эт арриосионо, р				Weather		
			Turbin	e Installatio	n Data				Power Enha		TIC	System
									from	TIC [1]		ipment Supplier(s), or Installer
Initial Year of TIC Operation	CT Plant Owner / Operator	CT Plant Location	Simple or Combined Cycle (SC or CC)		Quantity of CTs	CT Make	CT Model	CT Plant I.S.O. Output (MW)		TIC Power Increase (%)	TICA Member with Primary Involvement	Other TICA Member(s) Contributing Products or Services to the Project
0000		1104			_	455	OT 0.4	0.40.0				
2000	AAF	USA		New	2	ABB	GT 24	340.0			Munters	
2000	City of Vero Beach	USA		Exisiting	1	G.E.	Frame 6	70.0			Munters	
2000	Dahlmann	India		New	1	G.E.	Frame 6F	70.0			Munters	
2000	Dynegy Midwest	USA		Exisiting	4	SW	251	196.0			Munters	
2000	Formosa Plastics	USA-LA		Exisiting	2	G.E.	Frame 6B	80.0			Munters	
2000	Hermosillo	Mexico		New	1	ABB	GT 24	170.0			Munters	
2000	La Paloma	USA		New	4	ABB	GT 24	680.0			Munters	
2000	McGuffy Systems	USA		New	40	P&W	OT 04	1,000.0			Munters	
2000	Peoples Calumet	USA		New	2	ABB	GT 24	340.0			Munters	
2000	Pneumafil	USA		New	17	SW	501F	3,162.0			Munters	
2000	Pneumafil	Australia		New	2	ABB	1300	330.0			Munters	
2000	Pneumafil	USA-MA		New	4	MHI	701F	1,080.0			Munters	
2000	Smurfit	Spain		New	1	FT 8		25.0			Munters	
2000	Soyland Power	USA		Exisiting	2	0.1	00	56.0			Munters	
2000	Trigen-St. Louis Energy	USA		Exisiting	2	Solar	60 2. B	10.0			Munters	
2000	Wolff Walsrode	Germany	00	Existing	1	Sulzer	3 D	6.0			Munters	054
2000	EMI / Calpine - Rumford Gen Stn	Rumford, ME, USA	CC	New		G.E.	7FA	170.0			Stellar	GEA
2000	EMI / Calpine - Tiverton Gen Stn	Tiverton, RI, USA	CC	New	1	G.E.	7FA	170.0		400/	Stellar	GEA
2000	Jamaica Pub. Svc. Co Hunts Bay	Kingston, Jamaica	CC / CHP	Existing	1 -	John Brown	MS5001	25.5	2.4	10%	Munters	
2000	TECO CCPS	New Church, VA, USA	SC	New	/	G.E.	LM 6000	338.8	63.0	#DIV/0!	Turbine Air Systems	
1999	City of Lubhok	USA		Existing	1	G.E.	Frame 5	25.0			Munters	
1999	Hays	USA		New	4	ABB	GT 24	680.0			Munters	
1999	Holsten Brauerei	Germany		Existing	1	Solar	Taurus	5.0			Munters	
1999	Hunt Oil	USA		Existing	2	G.E.	Frame 5	56.0			Munters	
1999	Hunt Oil	Jemen		Existing	2	G.E.	Frame 5	56.0			Munters	
1999	Jamaica Public Utility	Jamaica		Existing	1	G.E.	Frame 5	25.0			Munters	
1999	Kali und Salz	Germany		Existing	1	Solar	Taurus	5.0			Munters	
1999	L&G E	USA		New	2	ABB	GT 24	340.0			Munters	
1999	Lake Road	USA		New	3	ABB	GT 24	510.0			Munters	
1999	MAN	Germany		-	1	Solar	Taurus	5.0			Munters	
1999	McGuffey	USA		New	8	P&W		200.0			Munters	
1999	OHIO_PP	USA		New	2	ABB	GT 24	340.0			Munters	
1999	PPC Greece	Greece		Existing	1	TG	20	35.0			Munters	
1999	PPC Greece	Greece		Existing	1	G.E.	Frame 5	25.0			Munters	
1999	PPC Greece	Greece		Existing	2	ABB	GT 8B	108.0			Munters	
1999	Rütgers VFT	Germany		Existing	1	G.E.	Frame 8	10.0			Munters	
1999	South Texas Electricity Group	USA		Existing	1	G.E.	Frame 5	1.0			Munters	
1999	Stone Europa Carton	Germany		Existing	1	Sulzer	3 D	6.0			Munters	
1999	unknown	USA		New	4	ABB	GT 24	680.0			Munters	
1999	Wintershall Lingen	Germany		Existing	2	G.E.	LM 2500	50.0			Munters	
1999	AES - Cartagena	Cartagena, Colombia	sc	Existing	2	G.E.	LM 5000	67.6	0.0	#DIV/0!	Turbine Air Systems	
1999	Baylor University	Waco, TX, USA	SC / CHP	Existing	1			3.0				
1999	Calpine - Clear Lake	Pasadena, TX, USA	CC / CHP	Existing	3	Westinghouse	501 D5	412.0	49.0	#DIV/0!	Turbine Air Systems	Avalon Consulting, CB&I
4000	Windows El Dana Engage	Dam illa II LICA	00	NI	1 4	ا م آ	1.14.0000	1 400 4	70.4	#DIV//OI	Tout in a Air Out to a	<b>J</b> ,

G.E.

LM 6000

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168.4

#DIV/0!

Turbine Air Systems

### Partial Database of Turbine Inlet Cooling (TIC) Installations

Updated: February 21, 2018

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Please send corrections or additions to:

J.S. Andrepont

The Cool Solutions Company
CoolSolutionsCo@aol.com

						лт арріїсацогіз, р				Weather		
			Turbin	e Installatio	n Data				Power Enha			System
			Simple or	TIC				CT Plant	from	TIC [1]	Developer, Designer, Equ	pment Supplier(s), or Installer
Initial Year			Combined					I.S.O.	TIC Power	TIC Power		Other TICA Member(s)
of TIC			Cycle (SC		Quantity of			Output	Increase	Increase	TICA Member with	Contributing Products or
Operation	CT Plant Owner / Operator	CT Plant Location	or CC)	New CTs	CTs	CT Make	CT Model	(MW)	(MW)	(%)	Primary Involvement	Services to the Project
1998	Delbag	France		Existing	2	G.E.	LM 6000	86.0			Munters	
1998	Enron	Brazil		New	2	G.E. Siemens	V84.3A	340.0			Munters	
1998	Hawaii Power and Electric	USA		Existing	2	ABB	11N	160.0			Munters	
1998	Hunt Oil	Jemen		Existing	2	G.E.	Frame 5	56.0			Munters	
1998	Leche Pascaul	Spain		Existing	2	Centrax	507 KB	10.0			Munters	
1998	Norske Skog	Austria		Existing	1	G.E.	Frame 6	40.0			Munters	
1998	Schoeller	Germany		Existing	1	Solar	Taurus	4.4			Munters	
1998	Southern Power	USA		Existing	8	ABB	11N	672.0			Munters	
1998	Climaespaco	Lisbon, Portugal	SC / CHP	New	1	,,,,,,,		4.8	0.8	17%	Cool Solutions [3]	
1998	ENEL Electrica Las Brisas	Managua, Nicaragua	SC	New	1	G.E.	LM 6000	42.1	17.6	#DIV/0!	Turbine Air Systems [2]	
1998	Grays Ferry Cogeneration	Philadelphia, PA, USA	CC / CHP	New	1	Westinghouse	501	120.0	3.5	#DIV/0!	raibino 7 in Oyotomo [2]	
1998	Kalaeloa Cogeneration Plant	Kapolei, HI, USA	CC / CHP	Existing	2	ABB	Type 11N	149.2	5.0	4%	Miunters	
1998	PAWA - Channel Island	Darwin, NT, Australia	SC	Existing	3	G.E.	Frame 6	120.0	20.0	21%	Baltimore Aircoil Co.	
1998	Qaseem	Riyadh, K. Saudi Arabia	SC	New	6	G.E.	Frame 7EA	430.0	120.0	#DIV/0!		
1998	Reedy Creek Energy Services	L. Buena Vista, FL, USA		Existing	1	G.E.	LM 5000	32.0	8.0	#DIV/0!	CB&I	Cool Solutions [3]
4007	October	0		E. de Cara		Oalan	N.4	40.0			Martin	
1997	Colortex	Spain		Existing	1	Solar	Mars	10.0			Munters	
1997	Novartis AG	Switzerland		Existing	1	Sulzer	3D	6.0			Munters	
1997	Papierfabrik Varel	Germany		Existing	1	Solar	Taurus	4.6			Munters	
1997	Papierfabriks- u. Verlags AG	Austria		Existing	1	G.E.	Frame 6	39.0			Munters	
1997	Smithfield	Australia	00	New	3	G.E.	Frame 6	117.0	50.0	#DIV//01	Munters Tarchina Air Cartago (O)	
1997	BSES / Kerla	Cochin, India	SC	New	3	G.E.	LM 6000	126.3	52.8	#DIV/0!	Turbine Air Systems [2]	
1997	Eletronorte - Manaus	Manaus, Brazil	SC SC	New	2	G.E.	LM 6000	84.2	35.2	#DIV/0!	Turbine Air Systems [2]	
1997	Eletronorte - Porto Velho	Porto Velho, Brazil		New	1	G.E.	LM 6000	42.1	17.6	#DIV/0!	Turbine Air Systems [2]	
1997	Lincoln Electric System	Lincoln, NE, USA	SC	Existing	2	0.5	LM 5000	152.5	28.0	#DIV/0!	CB&I	
1997 1997	Tractebel Power, Inc.	Ripon, CA, USA Garden City, NY, USA	CHP CC / CHP	Existing	1	G.E. G.E.	LM 5000	52.0 42.0	8.0	#DIV/0!	Cool Colutions [2]	
1997	Trigen Energy Corporation Trigen-Peoples District Energy	Chicago, IL, USA	SC / CHP	Existing New	3	G.E. Turbomeca	MS 6001B Makila TI	3.3	8.0 0.9	#DIV/0! #DIV/0!	Cool Solutions [3] CB&I	Cool Solutions [3]
1337	ringen i copies District Energy	Officago, IL, OOA	00 / 0111	INCW		Tarbonicca	Wakia 11	0.0	0.5	#510/0:	OBai	Cool Coldions [5]
1996	Bayer AG	Germany		Existing	1	AEG Kanis	IMS 5001	26.0			Munters	
1996	BHP	Australia		Existing	1	G.E.	Frame 6	39.0			Munters	
1996	Grace	Germany		Existing	1	Ruston	Tornado	5.8			Munters	
1996	GSP	Malaysia		Existing	3	ABB	GT 13 E2	492.0			Munters	
1996	GSP	Malaysia		Existing	2	G.E.	Frame 5	50.0			Munters	
1996	Offizine Lorenzia	Italy		Existing	1	Solar	Taurus	4.4			Munters	
1996	Wepa	Germany		Existing	1	Solar	Taurus	4.4			Munters	
1996	Power Barge / Cobee-Bolivia	La Paz, Bolivia	SC	New	2	G.E.	LM 6000	84.2	35.2	#DIV/0!	Turbine Air Systems [2]	
1996	Princeton U	Princeton, NJ, USA	SC / CHP	New	1 1	G.E.	LM 1600	14.6	2.0	#DIV/0!	T 11 A1 0 1 121	
1996	Wuxi II	China	SC	New	1 1	G.E.	LM 6000	42.1	17.6	#DIV/0!	Turbine Air Systems [2]	
1996		Pleasant Hill, MO, USA	SC	Existing	J 1			71.7	6.0	#DIV/0!		

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CoolSolutionsCo@aol.com

	Coolsolutions co @ aoi.com			•	•	on applications, p	•			S.		
			Turbin	e Installatio	n Data				Power Enha	Weather ancement TIC [1]		System pment Supplier(s), or Installer
Initial Year of TIC Operation	CT Plant Owner / Operator	CT Plant Location	Simple or Combined Cycle (SC or CC)		Quantity of CTs	CT Make	CT Model	CT Plant I.S.O. Output (MW)		TIC Power Increase (%)	TICA Member with Primary Involvement	Other TICA Member(s) Contributing Products or Services to the Project
1995 1995 1995 1995 1995 1995 1995 1995	Boroil Gas Foret Parkson Power Electroquil II Emelec Carolina P & L (Progress Energy) Huntsman Chemical TECO - Alborado Power Plant Tenaga Nasional Berhad Wuxi I / Endesa Chile Texaco Cogeneration Co.	Australia Spain Australia Guayaqil, Ecuador Guayaqil, Ecuador Goldsboro, NC, USA Port Arthur, TX, USA Escuentia, Guatemala Port Dickson, Malaysia Conceptia, Chile San Ramon, CA, USA	SC SC SC CC / CHP CC SC SC / CHP	Existing Existing New New Existing Existing New New New New	1 1 3 4 1 1 2 2 6 2	unknown EGT G.E. G.E. G.E. Westinghouse G.E. G.E. G.E. G.E.	8 Frame 6 LM 6000 LM 6000 251 Frame 6B LM 6000 Frame 7EA LM 6000	4.5 6.3 117.0 168.4 42.1 76.6 84.2 84.2 35.8	70.4 17.6 11.8 35.2 35.2 7.0	#DIV/0! #DIV/0! 42% #DIV/0! #DIV/0! 28% #DIV/0! #DIV/0!	Munters Munters Munters Turbine Air Systems [2]	
1994 1994 1994 1994 1994 1994 1994 1994	BASF Bayer AG Buchmann ENEL Moritz J. Weig Saica Enron - Hainan Island Power Plant Bechtel / Gilroy Kamine - Carthage KIAC Partners - JFK Int'l Airport Oklahoma Municipal Power Authority	Spain Spain Germany Italy Germany Spain Hainan Island, China Gilroy, CA, USA Carthage, NY, USA Jamaica, NY, USA Tulsa, OK, USA	CC CC CC / CHP CC	Existing Existing Existing Existing Existing Existing New Existing New New New	1 1 1 1 1 1 3 1 1 2 1	EGT EGT Solar Fiat Ruston G.E. G.E. G.E. G.E. G.E.	6 6 Taurus TG 50 C TB 5000 Frame 6 LM 6000 Frame 7EA LM 6000 LM 6000	6.3 6.3 4.4 90.0 3.5 38.0 126.3 83.5 42.1 85.0 42.1	52.8 0.0 17.6 17.6	#DIV/0! #DIV/0! #DIV/0! #DIV/0!	Munters Munters Munters Munters Munters Munters Turbine Air Systems [2] Turbine Air Systems [2]	
1993 1993 1993 1993 1993 1993 1993	Brauerei Felsenkeller Motor Oil Tivoli Werke Altresco North American Chemical Co. Trigen Energy Corporation Trigen Energy Corporation City of Fayetteville PWC	Germany Greece Germany Pittsfield, MA, USA Trona, CA, USA Oklahoma City, OK, USA Tulsa, OK, USA Fayetteville, NC, USA	CC SC SC / CHP SC / CHP SC & CC	Existing Existing Existing Existing Existing New New Existing	1 1 1 1 1 1 1 8	Solar ABB Solar G.E. G.E. Turbomeca Turbomeca G.E.	Saturn GT 35 Saturn Frame 6B Frame 5 Makila TI Makila TI Frame 5	1.1 16.8 1.1 56.1 21.0 1.1 1.1 220.0	0.0 3.0 0.3 0.3 52.0	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Munters Munters Munters	

### Partial Database of Turbine Inlet Cooling (TIC) Installations

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				e Installatio	n Data				Power Enha			System ipment Supplier(s), or Installer
Initial Year of TIC Operation	CT Plant Owner / Operator	CT Plant Location		TIC Applied to Existing or New CTs	Quantity of CTs	CT Make	CT Model	CT Plant I.S.O. Output (MW)	TIC Power Increase (MW)	TIC Power Increase (%)	TICA Member with Primary Involvement	Other TICA Member(s) Contributing Products or Services to the Project
1992 1992 1991 1991 1991	CSW - Mulberry Cogen El Paso (Destec) - Bear Mountain El Paso (Destec) - Live Oak El Paso (Destec) - McKittrick Lincoln Electric System	Bartow, FL, USA Bakersfield, CA, USA Bakersfield, CA, USA McKittrick, CA, USA Lincoln, NE, USA	CHP CC CC CC SC	New New New New Existing	1 1 1 1	G.E. G.E. G.E. G.E. G.E.	7EA LM 5000 LM 5000 LM 5000 Frame 7B	85.0 33.8 33.8 33.8 65.2	11.0 11.0 11.0 14.3	#DIV/0! #DIV/0! #DIV/0! #DIV/0!	Stellar Turbine Air Systems [2] Turbine Air Systems [2] Turbine Air Systems [2]	
1990 1988 1988	El Paso (Destec) - Badger Creek  El Paso (Destec) - Chalk Cliff Wheelabrator Norwalk Energy Co., Inc.	Bakersfield, CA, USA  Maricopa, CA, USA  Norwalk, CA, USA	CC CC CC/CHP	New New New	1 1 1	G.E. G.E. G.E.	LM 5000 LM 5000 LM 2500	33.8 33.8 22.0	11.0 11.0 3.3	#DIV/0! #DIV/0! #DIV/0!	Turbine Air Systems [2] Turbine Air Systems [2]	
1987 1975-79	El Paso (Destec) - San Joaquin	Lathrop, CA, USA Greenwood, MO, USA	CC SC	New New	4	G.E.	LM 5000	33.8 232.8	11.0	#DIV/0! #DIV/0!	Turbine Air Systems [2]	

#### Footnotes:

- [1] Values for Hot Weather Power Enhancement from TIC are relative to design ambient air temperature, not to I.S.O. conditions.
- [2] TIC project was originally executed under a different company name, prior to a business restructuring.
- [3] TIC project was originally executed while the firm's principal was at a different firm.
- [4] In some cases, only a portion of the installed refrigeration or storage capacity is used for TIC.
- [5] TIC equipment was fabricated and delivered; but power plant project was cancelled.

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	Hot Macth	or OT Disast D	Dower Fred	oom on the	TIC	Evap.					Ref	rigeration Sy	stem				Inlet Air
	not weathe	er CT Plant P	Power Enhan	cement from	HU	Cooling System		Refrige	eration Equipr	ment [4]			Thermal En	ergy Storage	e (TES) Syste	em [4]	Heating System
	Non-TIC	Ambient				Évap	Total TIC		Absorp (A)			Refrig'n	TES		Chilled	Thermal	Gas, Oil,
nitial Year		Dry Bulb			TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC Operation	Output (MW)	Air Temp (deg F)	Air Temp (deg F)	Air Temp (deg F)	Output (MW)	Fog, or Wet Comp	Coil Load (tons)	Working Fluid	Mech (M) Chillers	Heat Rejection	Working Fluid	Capacity (tons)	Discharge (hrs/day)	Weekly TES Cycle	(CHW), Ice	Capacity (ton-hrs)	Electric, or Cond'r Wtr
эрогалогг	(10100)	(dog i )	(dog i )	(dog i )	(10100)	Wot Comp	(10/10)	Tidia	Crimoro	rtojoolion	Tidid	(10110)	(morady)	120 Cyclo	or ourior	(torr rire)	Cond i wu
2018			 		DAT	A IN THESE	COLUMNS	ARE AVAIL	ABLE ONLY	TO THE TICA	A MEMBERS	; ; 		! 	!  !	!  !	' 
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	11-430/	or OT DI	)		TIO	Evap.					Refr	rigeration Sy	stem				Inlet Air
	Hot Weathe	er CT Plant P	Power Enhan	cement from	TIC	Cooling		Dofrica	ration Equips	mont [4]			Thormal En	oray Storog	(TES) Suct	om [4]	Heating
	Non-TIC	Ambient	Ambient	Design		System Evap	Total TIC	Kenige	eration Equipr Absorp (A)	116111 [4]		Refrig'n	TES	ergy Storage	e (TES) Syste Chilled	Thermal	System Gas, Oil,
nitial Year	Power	Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC	Output	Air Temp	Air Temp	Air Temp	Output	Fog, or	Coil Load	Working	Mech (M)	Heat	Working	Capacity	Discharge	Weekly	(CHW), Ice		Electric, or
Operation	(MW)	(deg F)	(deg F)	(deg F)	(MW)	Wet Comp	(tons)	Fluid	Chillers	Rejection	Fluid	(tons)	(hrs/day)	TES Cycle	or Other	(ton-hrs)	Cond'r Wtr
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						Evap.					Refr	igeration Sy	stem				Inlet Air
	Hot Weathe	r CT Plant P	ower Enhan	cement from	TIC	Cooling											Heating
						System		Refrige	eration Equipn	nent [4]			Thermal En	ergy Storage	e (TES) Syste	m [4]	System
	Non-TIC	Ambient	Ambient	Design		Evap	Total TIC		Absorp (A)			Refrig'n	TES		Chilled	Thermal	Gas, Oil,
Initial Year	Power	Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC	Output	Air Temp	Air Temp	Air Temp	Output	Fog, or	Coil Load	Working	Mech (M)	Heat	Working	Capacity	Discharge	Weekly	(CHW), Ice	Capacity	Electric, or
Operation	(MW)	(deg F)	(deg F)	(deg F)	(MW)	Wet Comp	(tons)	Fluid	Chillers	Rejection	Fluid	(tons)	(hrs/day)	TES Cycle	or Other	(ton-hrs)	Cond'r Wtr
2008																	
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					on application	Evap.					Ref	rigeration Sy	stem				Inlet Air
	Hot Weathe	er Ci Plant F	Power Enhan	cement from	HU	Cooling System		Refrige	ration Equipr	nent [4]			Thermal En	ergy Storage	e (TES) Syste	em [4]	Heating System
Initial Year of TIC Operation	Non-TIC Power Output (MW)	Ambient Dry Bulb Air Temp (deg F)	Ambient Wet Bulb Air Temp (deg F)		TIC Power Output (MW)	Evap	Total TIC Cooling Coil Load (tons)	Inlet Coil Working Fluid	Absorp (A) and/or Mech (M) Chillers	Type of Heat Rejection	Chiller Working Fluid	Refrig'n System Capacity (tons)	TES Design Discharge	Daily or	Chilled Water (CHW), Ice	Thermal Storage Capacity	Gas, Oil, Steam, Electric, o
2007 2007 2007 2007 2007 2007 2007 2007																	
2006 2006 2006 2006 2006 2006 2006 2006																	

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		For question	ns or further	information of	on applicatio	ns, please co	ontact the inv	olved TICA	members								
						Evap.					Refi	rigeration Sy	stem				Inlet Air
	Hot Weathe	er CT Plant P	ower Enhan	cement from	TIC	Cooling											Heating
						System		Refrige	eration Equipr	nent [4]				ergy Storage	e (TES) Syste		System
	Non-TIC		Ambient	Design		Evap	Total TIC		Absorp (A)			Refrig'n	TES		Chilled	Thermal	Gas, Oil,
Initial Year	Power	Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC	Output	Air Temp	Air Temp	Air Temp	Output	Fog, or	Coil Load	Working	Mech (M)	Heat	Working	Capacity	Discharge	Weekly	(CHW), Ice		Electric, or
Operation	(MW)	(deg F)	(deg F)	(deg F)	(MW)	Wet Comp	(tons)	Fluid	Chillers	Rejection	Fluid	(tons)	(hrs/day)	TES Cycle	or Other	(ton-hrs)	Cond'r Wtr
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Non-TIC   Ambient   Tell Power   February   Tell		For questio	ns or further	intormation (	on application	ns, please co Evap.	ontact the inv	volved HCA	members		Ref	rigeration Sy	stem				Inlet Air	
Non-TIC   Non-	H	Hot Weathe	er CT Plant F	Power Enhan	cement from	TIC							geranon oy					Heating
Initial Year   Chuput   Chup									Refrige						ergy Storage	e (TES) Syste	em [4]	System
Output   Output   Air Temp   Air Temp   Air Temp   (deg F)   (de						TIC Dower						Chillor	_		Doily or		Thermal	Gas, Oil,
Coperation   (MW)   (deg F)   (deg F)   (deg F)   (MW)   Wel Comp   (tons)   Fluid   Chillers   Rejection   Fluid   (tons)   (tris/day)   TES Cycle   or Other														_			Storage Capacity	Steam, Electric, or
2004 2004 2004 2004 2004 2004 2004 2004									_					_			(ton-hrs)	Cond'r Wtr
2004 2004 2004 2004 2004 2004 2004 2004		( /	(***3 /	(3.23.)	(**5 /			(12.2)			-,		(****)	( 3, 3, 5, 7,			(33	
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Data were obtained primarily from TICA members and from other published sources.

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	Hot Weathe	er CT Plant F	Power Enhan	cement from	TIC	Cooling					Kell	igeration Sy	316111				Heatin
	l lot vvodine	or or ridiner	OWER EITHAN		1110	System		Refrige	eration Equipr	nent [4]			Thermal En	ergy Storage	e (TES) Syste	em [4]	Syster
	Non-TIC	Ambient	Ambient	Design		Evap	Total TIC	rtonige	Absorp (A)			Refrig'n	TES	l diag	Chilled	Thermal	Gas, O
Initial Year	Power	Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam
of TIC	Output	Air Temp	Air Temp	Air Temp	Output	Fog, or	Coil Load	Working	Mech (M)	Heat	Working	Capacity	Discharge	Weekly	(CHW), Ice	Capacity	Electric,
Operation	(MW)	(deg F)	(deg F)	(deg F)	(MW)	Wet Comp	(tons)	Fluid	Chillers	Rejection	Fluid	(tons)	(hrs/day)	TES Cycle	or Other	(ton-hrs)	Cond'r V
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	Hot Wooth	or CT Plant F	lower Enhan	coment from	TIC	Evap.					Refr	igeration Sy	stem				Inlet Air
	Hot weather	er CT Plant P	ower Ennan	cement from	1 IIC	Cooling		Dofrigo	rotion Equipp	nont [4]			Thormal En	oray Storogo	(TES) Syste	om [4]	Heating
	Non-TIC	Ambient	Ambient	Design		System Evap	Total TIC	Reilige	eration Equipn Absorp (A)	nent [4]		Refrig'n	TES	ergy Storage	(TES) Syste Chilled	Thermal	System Gas, Oil,
Initial Year		Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC	Output	Air Temp	Air Temp	Air Temp	Output	Fog, or	Coil Load	Working	Mech (M)	Heat	Working	Capacity	Discharge		(CHW), Ice		Electric, o
Operation	(MW)	(deg F)	(deg F)	(deg F)	(MW)	Wet Comp		Fluid	Chillers	Rejection	Fluid	(tons)	(hrs/day)	TES Cycle		(ton-hrs)	Cond'r Wt
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					on application	Evap.	maci ine in	roived TICA	members		Refr	igeration Sy	stem				Inlet Air
	Hot Weathe	er CT Plant F	Power Enhan	cement from	TIC	Cooling System		Refrige	eration Equipr	nent [4]			Thermal En	eray Storag	e (TES) Syste	m [4]	Heating System
	Non-TIC			Design		Évap	Total TIC		Absorp (A)			Refrig'n	TES		Chilled	Thermal	Gas, Oil,
Initial Year	Power	Dry Bulb		TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC Operation	Output (MW)	Air Temp (deg F)	Air Temp (deg F)	Air Temp (deg F)	Output (MW)	Fog, or Wet Comp	Coil Load (tons)	Working Fluid	Mech (M) Chillers	Heat Rejection	Working Fluid	Capacity (tons)	Discharge (hrs/day)	Weekly TES Cycle	(CHW), Ice or Other	Capacity (ton-hrs)	Electric, or Cond'r Wtr
Operation	(10100)	(deg i )	(deg i )	(deg i )	(IVIVV)	Wet Comp	(10113)	Tiulu	Offiliers	rejection	i iuiu	(toris)	(III3/day)	TLO Cycle	or other	(1011-1113)	Condi vvii
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		For question	ns or turtner	intormation (	on application	ns, piease co Evap.	ontact the inv	/olved TICA	members		Ref	rigeration Sy	stem				Inlet Air
	Hot Weathe	er CT Plant F	Power Enhan	cement from	TIC	Cooling						-geranon oy					Heating
						System		Refrige	eration Equipr	nent [4]				ergy Storage	(TES) Syste	em [4]	System
	Non-TIC		Ambient	Design	TIO D	Evap	Total TIC		Absorp (A)		O1 '''	Refrig'n	TES	<b>.</b>	Chilled	Thermal	Gas, Oil,
Initial Year	Power	Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC Operation	Output (MW)	Air Temp (deg F)	Air Temp (deg F)	Air Temp (deg F)	Output (MW)	Fog, or Wet Comp	Coil Load (tons)	Working Fluid	Mech (M) Chillers	Heat Rejection	Working Fluid	Capacity (tons)	Discharge (hrs/day)	Weekly TES Cycle	(CHW), Ice or Other	Capacity (ton-hrs)	Electric, or Cond'r Wtr
Operation	(10100)	(ueg i )	(ueg i )	(ueg i )	(10100)	Wet Comp	(10113)	Tiulu	Crimers	Rejection	i iuiu	(10115)	(III3/uay)	TLO Cycle	Of Other	(1011-1113)	Conditiviti
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		For questio	ns or further	information of	on applicatio		ontact the inv	olved TICA	members								
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	Hot Weath	er CT Plant F	ower Ennan	cement from	1 HC	Cooling		Defete					Th		(TEO) 0 (-		Heating
	Non-TIC	Ambient	Ambient	Design	<u> </u>	System Evap	Total TIC	Refrige	eration Equipr Absorp (A)	nent [4]		Refrig'n	TES	ergy Storage I	(TES) Syste Chilled	m [4] Thermal	System Gas, Oil,
Initial Year		Dry Bulb	Wet Bulb	TIC Inlet	TIC Power	Media,	Cooling	Inlet Coil	and/or	Type of	Chiller	System	Design	Daily or	Water	Storage	Steam,
of TIC	Output	Air Temp	Air Temp	Air Temp	Output	Fog, or	Coil Load	Working	Mech (M)	Heat	Working	Capacity	Discharge	The second secon	(CHW), Ice		Electric, or
Operation	(MW)	(deg F)	(deg F)	(deg F)	(MW)	Wet Comp		Fluid	Chillers	Rejection	Fluid	(tons)	(hrs/day)	TES Cycle		(ton-hrs)	Cond'r Wtr
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Initial Year Power Dry Bulb Wet Bulb TIC Inlet TIC Power Media, Cooling Inlet Coil and/or Type of Chiller System Design Daily or Water Storage Steam	stem
of IC   Output   Air Temp   Air Temp   Output   Fog, or   Coil Load   Working   Mech (M)   Heat   Working   Capacity   Discharge   Weekly   (CHW), ice   Capacity   Elect.	-
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