Selected TES Hydro Generators

Czech Republic

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Bulhary	Synchronous	2	397	750	400	2006
Čelákovice	Synchronous	2	443	750	400	2011
České Údolí	Synchronous	1	313	375	400	2011
Hostinné	Synchronous	1	360	507	400	2008
Lovosice	Synchronous	4	775	1000	690	2010
Plavisko	Synchronous	1	358	750	400	2010
Pyskočely	Synchronous	2	130	187,5	400	2014
Roudnice	Synchronous	4	1198	1000	690	2013
Rozkoš	Synchronous	1	647	428	400	2007
Široká	Asynchronous	1	519	500	400	2008
Vír 2	Synchronous	1	784	429	6300	2009
Vranov 2	Synchronous	1	1250	600	400	2012
Zelená Louka	Synchronous	1	501	333	400	2005

Slovakia

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Bretka	Asynchronous	2	206	303	400	2012
Domaša	Asynchronous	1	215	303	400	2009
Hronská Dúbrava	Synchronous	3	630	750	400	2011
Kalná pod Mostom	Asynchronous	4	150	255	400	2008
Myší Vršok	Asynchronous	1	200	508	400	2010
Poruba pod Vihorlatom	Asynchronous	1	228	756	400	2012
Prakovce	Asynchronous	2	200	337	400	2010
Roveň	Asynchronous	1	324	610	420	2005
Ružbašská Miľava	Synchronous	2	790	333	400	2006
Sačurov	Synchronous	2	360	272	400	2014
Šarovce	Synchronous	3	881	600	400	2007
Tekov	Synchronous	2	1067	166	690	2012
Ždaňa	Synchronous	2	667	176,5	400	2012

Austria

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Benda Lutz	Synchronous	1	139	1000	400	2006
Durnstein	Synchronous	1	198	750	400	2005
Hausmening	Synchronous	2	1750	750	6300	2013
Jassingau	Synchronous	1	782	375	420	2008
Jassingau	Synchronous	1	420	375	420	2008
Kitzbühel	Synchronous	1	750	750	400	2014
Neubruck	Synchronous	1	1448	300	690	2010
Neufelden	Synchronous	1	140	500	400	2010
Sumann	Synchronous	1	1020	333	690	2010
Thursndorf	Synchronous	1	2250	250	690	2015
Traualpsee	Synchronous	1	3180	1000	690	2014
Vellach III	Synchronous	1	138	750	400	2005

Germany

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Ga-Pa	Synchronous	1	400	500	400	2005
Hausen	Synchronous	1	333	750	400	2005
Pulvermühle	Asynchronous	1	110	434	400	2007
Rothsee-Einleitung	Synchronous	1	998	272	400	2013
Ruch	Asynchronous	2	377	257	6300	2006
Saussbach	Asynchronous	1	150	380	400	2008
Schlingen	Synchronous	1	830	230	400	2013

Switzerland

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Buoholzbach	Synchronous	1	3000	1000	950	2012
Dornbach	Synchronous	1	1030	1000	400	2013
Frizzi	Synchronous	1	1000	600	400	2012
Jungbach	Synchronous	2	3000	1000	6000	2014
Lorze 2	Synchronous	1	300	187	400	2010
Lorze 4	Synchronous	1	230	230	400	2009
Moorbach	Synchronous	1	200	1500	400	2012
Mulegn	Synchronous	1	9300	750	6300	2015
Reckingen	Synchronous	1	2700	500	690	2012
Sous Les Roches	Synchronous	1	441	500	400	2005
Susasca	Synchronous	1	3661	1000	990	2010
Tzintre	Synchronous	2	500	375	400	2012
Ullrichen	Synchronous	1	2900	750	6300	2014
Utzensdorf	Synchronous	1	500	166,7	525	2013
Verneurer Unterstufe	Synchronous	1	750	1000	400	2012
Wysswasser	Synchronous	2	1751	500	400	2011

France

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Arbois	Asynchronous	1	420	434	400	2010
Beaumont	Synchronous	1	1800	300	5500	2011
Bas Mour	Asynchronous	1	420	333	500	2011
Camon	Synchronous	1	420	606	230/400	2010
Desgranges	Synchronous	1	556	428	400	2014
Le Port	Synchronous	1	700	750	500	2012
L´Herbeil	Asynchronous	1	385	500	415	2015
Lirbat	Synchronous	1	380	500	400	2013
Monzola	Synchronous	1	460	600	400	2013
Moulin Coupas	Asynchronous	1	350	616	230/400	2010
Moustier	Synchronous	1	460	500	400	2012
Pessas	Synchronous	1	1500	600	400	2012
Pont de l´Arn	Asynchronous	1	440	757	400	2014
Sallanches	Asynchronous	1	570	757	400	2013
Soeix	Synchronous	1	1000	300	660	2010
Waldersbach	Asynchronous	1	160	509	400	2012

Scotland

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Allt Mor	Synchronous	1	400	1000	415	2015
Benlister	Synchronous	1	600	750	400	2015
Bruneri	Synchronous	1	560	1000	400	2013
Burn of Mar	Synchronous	1	600	750	415	2015
Carrongrove	Synchronous	1	600	750	400	2015
Cleghorn	Asynchronous	1	300	610	420	2004
Cloiche Creiche	Synchronous	1	1050	750	415	2015
Lochi Eil	Synchronous	1	573	1000	400	2015
Pitnacree	Synchronous	1	360	750	415	2015
Slatach	Synchronous	1	320	500	400	2013
Slatach	Synchronous	1	820	750	400	2013
Bruree	Asynchronous	1	140	508	400	2014
Erry Mill	Asynchronous	1	132	303	400	2006

Ireland

Greenholm	Asynchronous	1	329	683	210	2011
Roshven	Synchronous	1	610	500	400	2008

Great Britain

Poland

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Dobrzeń	Asynchronous	2	800	603	690	2008
Groszowice	Asynchronous	2	530	756	400	2008
Krapkowice	Asynchronous	2	630	753	690	2006
Mrągovo	Asynchronous	2	250	375	380	2011
Slupsk	Synchronous	1	250	230	400	2008
Slupsk	Synchronous	1	100	1000	400	2008
Wegorzewo	Asynchronous	1	110	508	420	2007
Żarki	Asynchronous	1	110	339	400	2009

Spain

Barcelona	Synchronous	1	150	750	400	2010
Puente Alba	Synchronous	1	2750	375	6000	2015

Portugal

Fronhas	Synchronous	1	908	1000	690	2008
Infernos	Synchronous	2	1076	188	690	2004
Trutas	Synchronous	1	1603	429	690	2009
Trutas	Synchronous	1	793	600	690	2009

Italy

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Confienza	Synchronous	1	650	214	400	2012
Corpassa	Synchronous	1	1715	750	690	2012
Farsa	Synchronous	2	900	136	690	2012
Granero	Synchronous	1	700	428	400	2011
Maurin	Synchronous	1	2200	600	6300	2012
Meano	Synchronous	3	1400	750	6300	2010
Medio Barnes	Synchronous	2	1800	1000	690	2013
Montestrutto 1	Synchronous	2	2400	188	6300	2010
Paularo	Synchronous	1	1000	750	400	2014
Pedra e Othoni, Sardinia	Synchronous	1	3600	500	6300	2004
Romagnano	Synchronous	1	700	200	400	2012
Tre Ponti	Synchronous	1	2300	500	6300	2011
Vallone	Synchronous	1	1250	231	690	2010
Vobarno	Synchronous	2	1500	273	6000	2008
Zegna	Synchronous	1	1300	333	690	2010

Greece

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Georgios	Synchronous	2	564	600	400	2006
Georgios	Synchronous	1	256	1000	400	2006
Glafkos	Synchronous	2	3130	600	6300	2008
Ities	Synchronous	1	480	1000	400	2008
Karitsa	Synchronous	1	611	1000	400	2007
Kontorema	Synchronous	1	198	1000	400	2008
Lykostomos	Synchronous	2	662	1000	400	2006
Rustianitis	Synchronous	3	800	750	400	2008
Pisoderi	Synchronous	1	376	1000	400	2008
Sarantobrises	Synchronous	1	700	600	400	2010

Finland

Alasorsakoski	Synchronous	1	940	333	400	2007
Herrfors	Synchronous	1	560	750	400	2008
Kuokkaitenkoski	Synchronous	2	1250	300	690	2010
Ylasorsakoski	Synchronous	1	675	333	400	2007

Norway

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Bergselva	Synchronous	1	7343	1000	6600	2013
Brunstad	Synchronous	1	4248	600	999	2009
Ditti	Synchronous	1	6591	600	6600	2012
Eitro	Synchronous	1	4824	1000	6600	2011
Ellenelva	Synchronous	1	5748	429	6600	2012
Forneselva	Synchronous	1	2808	1000	1000	2014
Holsfossen	Synchronous	1	2398	428,6	690	2013
Kangsliaga	Synchronous	1	3313	750	6600	2009
Kvannevann	Synchronous	1	4200	750	1000	2008
Litj-Hena	Synchronous	1	5490	750	6600	2014
Saltdalselva	Synchronous	1	6137	500	6600	2012
Sandal	Synchronous	1	2929	500	690	2007
Sevareid	Synchronous	1	971	428	690	2005
Skripelandfossen	Synchronous	1	3000	230,8	6600	2014
Svultingen	Synchronous	1	6453	600	5250	2014
Venna	Synchronous	1	3200	1000	1000	2012

Sweden

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Backa	Synchronous	1	431	333,3	400	2012
Bäckebo	Synchronous	2	600	375	690	2013
Fosstveit	Synchronous	1	2114	333	950	2007
Hennan	Synchronous	1	1750	500	690	2008
Heskestad	Synchronous	1	1180	600	690	2009
Hogsby	Synchronous	2	2700	250	6600	2015
Knislinge	Synchronous	1	1115	600	690	2013
Kvarnfallet	Synchronous	2	650	231	400	2012
Kungsfors	Synchronous	1	340	428,6	400	2012
Langgolsmala	Synchronous	1	1600	272,7	690	2014
Laxöringen	Synchronous	1	480	272,7	400	2013
Munkedal G1	Synchronous	1	3031	427,57	10000	2014
Munkedal G2	Synchronous	1	3108	500	10500	2014
Piparan	Synchronous	1	1431	300	400	2012
Skaftet	Synchronous	1	450	214	400	2007
Skinnskatteberg	Asynchronous	1	1152	604	400	2013
Stornorrfors	Synchronous	1	5000	375	6600	2009

Bulgaria

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Ceverets	Synchronous	2	1250	750	400	2014
Eli Dere	Synchronous	1	560	500	400	2012
Hodjovo	Synchronous	1	2400	750	6300	2013
Chladilnik	Synchronous	2	659	750	400	2011
Kaleto	Synchronous	1	2500	600	6000	2007
Karlukovo	Synchronous	2	1385	750	6300	2008
Lesichevo 2	Asynchronous	1	835	1006	400	2009
Loziata 1	Synchronous	2	2836	500	6300	2005
Loziata 2	Synchronous	1	1100	300	690	2009
Luna	Synchronous	1	700	500	400	2009
Pchelina	Synchronous	2	637	600	690	2013
Stakevski	Asynchronous	1	232	507	400	2010
Vlahi	Synchronous	1	3250	600	6300	2011

Belarus

Grodno	Synchronous	5	3950	750	6300	2010

Ukraine

Saratam	Asynchronous	1	220	600	400	2014

Romania

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Anies, Francis	Synchronous	1	1552	1000	690	2013
Banesti Floresti	Synchronous	6	2174	500	6300	2014
Bistra	Synchronous	1	778	600	690	2011
Buda 1	Synchronous	1	754	500	400	2013
Buda 2	Synchronous	1	1333	500	690	2013
Buda 3	Synchronous	1	1460	500	690	2013
Buda 4	Synchronous	1	3137	375	6300	2013
Buda 5	Synchronous	1	511	750	400	2012
Crainicel II	Synchronous	1	11500	750	6300	2013
Mihoiesti	Synchronous	1	1400	428,6	690	2014
Poiana	Synchronous	1	650	750	400	2013
Pucioasa	Synchronous	1	1198	375	6300	2012
Sacherstita	Synchronous	1	3071	1000	6300	2013

Russia

Kalliokoski	Synchronous	1	1520	230,8	400	2014
Lykovskaya	Synchronous	1	1500	176,5	400	2015
Rumjakoski	Synchronous	1	720	375	400	2013

Macedonia

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Brajcino 2	Synchronous	1	1550	500	400	2013
Brza Voda 1, 2	Synchronous	2	1208	1000	400	2013
Brza Voda 3	Synchronous	1	908	750	400	2013
Galicka 3	Synchronous	1	1350	1000	400	2013
Golemo Ilino	Synchronous	1	546	750	400	2013
Jablanica	Synchronous	1	4100	500	1000	2014
Kazani	Synchronous	1	1265	600	400	2014
Kriva Reka	Synchronous	1	600	500	400	2013
Patiska	Synchronous	1	750	750	400	2013
Toranica	Synchronous	1	720	750	400	2013
Vratnicka	Synchronous	1	1500	750	690	2014
Bielo Polie	Synchronous	1	720	600	400	2013
Bistrica	Synchronous	2	3134	600	6300	2014
Rmus	Synchronous	1	563	1000	400	2014
Spalevici	Synchronous	1	706	600	400	2014

Montenegro

Turkey

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Bandirma	Synchronous	1	3600	428	6300	2014
Carsamba	Synchronous	3	4450	750	6300	2011
Cayalti	Synchronous	4	2600	333	6300	2014
Cayalti	Synchronous	2	1070	500	6300	2014
Hamzabay	Synchronous	2	5000	428	6300	2014
Kamer	Synchronous	1	730	1500	400	2013
Kamer	Synchronous	2	1840	1000	690	2013
Kavsakbendi	Synchronous	1	6394	600	6300	2011
Kocak 2	Synchronous	1	1560	375	400	2013
Koroglu	Synchronous	3	3400	1000	6300	2012
Kizilcam	Synchronous	1	1000	1000	400	2014
Pashali	Synchronous	2	4042	1000	6600	2014
Piro	Synchronous	2	2420	600	6300	2014
Yaylabel	Synchronous	2	3000	600	690	2009
Zekere	Synchronous	2	2400	1000	6300	2013

Serbia

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Djordjine	Synchronous	1	334	750	400	2014
Gramada	Synchronous	1	501	1500	400	2012
Procevici I	Synchronous	1	740	1270	400	2012
Procevici I	Synchronous	1	280	1000	400	2012
Procevici II	Synchronous	1	620	750	400	2012
Procevici II	Synchronous	1	250	1000	400	2012
Calcit	Synchronous	1	300	231	420	2012
Kamchia	Synchronous	1	1500	600	400	2010
Lovrenc	Synchronous	1	1700	600	690	2010

Slovenia

Cajdras	Synchronous	1	700	600	400	2011
Prisoje	Synchronous	2	620	750	400	2013

Bosnia and Hercegovina

Bistrica 3	Synchronous	1	1700	750	690	2013

Albania

Latvia

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Galgauskas	Asynchronous	1	160	507	400	2010
Gaujas	Asynchronous	1	120	338	400	2012
Gaujas	Asynchronous	1	90	380	400	2012
Karvas	Asynchronous	1	330	605	400	2011
Konu Dzirnavu	Asynchronous	1	57	381	400	2006
Lasicu	Asynchronous	2	99	379	400	2008
Palsmanes	Asynchronous	1	130	508	420	2002
Rademon	Asynchronous	1	75	435	400	2009
Vezu Kraces	Synchronous	1	180	200	400	2013
Vezu Kraces	Asynchronous	4	200	435	400	2013
Valmiera	Synchronous	1	90	1000	400	2011

Armenia

Geghi Dam	Synchronous	1	2200	750	6300	2013
Geghi Dam	Synchronous	1	4100	600	6300	2013
Vardenik	Synchronous	2	3600	500	6300	2012

Lithuania

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Skuodas	Asynchronous	1	110	434	400	2007
Muro Voke	Asynchronous	1	303	379	400	2009
Ramunciai	Asynchronous	1	195	434	400	2009
Tubausiai	Asynchronous	1	277	500	400	2011

Estonia

Kaunnissaare	Asynchronous	2	123	337	400	2003
Keila Joa	Asynchronous	1	376	435	400	2004
Purtse	Asynchronous	1	307	435	400	2004

Iceland

Husafell	Synchronous	1	525	333	420	2003
Modrudalur	Synchronous	1	80	600	400	2006
Arteigsvirkjun 5	Synchronous	1	850	750	420	2008
Rangarvirkjun Egilsstaðir	Synchronous	1	184	1000	400	2011
Kaldakvisl	Synchronous	1	3100	1000	690	2013

New Zealand

Wairere	Synchronous	1	1400	375	690	2013

Guatemala

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
San Isidro	Synchronous	2	1900	900	4160	2001
Los Cerros	Synchronous	1	1190	514	480	2008
Bajo de Mina	Synchronous	1	650	450	480	2013
Aguaverde	Synchronous	1	1000	720	480	2014
Hospicio / El Toro	Synchronous	2	1193	750	400	2010

Honduras

Arco Iris	Synchronous	2	4625	720	4160	2011
Las Perlas	Synchronous	4	6300	600	4160	2011

Panama

Cucumacayan	Synchronous	2	1727	600	6600	2012
Tulila	Synchronous	1	3044	375	6600	2014

Mexico

Salvador

Tanzania

Chile

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Alto Renaico	Synchronous	1	1700	500	690	2013
Caliboro	Synchronous	1	1157	300	6000	2015
Melo	Synchronous	1	3425	428	6000	2015
Nalcas	Synchronous	2	3600	500	6300	2012
St. Isabel	Synchronous	1	1545	500	6000	2015
Waltrim	Synchronous	1	2300	500	6300	2011
Bulathwatte 2	Synchronous	1	1500	1500	690	2013
Bulathwatte 1	Synchronous	1	3000	1000	690	2013

Sri Lanka

Nassau	Synchronous	2	2760	1000	6300	2009
Yonghung	Synchronous	3	1131	720	3300	2007

Indonesia

South Korea

Geruntom	Synchronous	1	2600	428	690	2014

Malaysia

Canada

PROJECT LOCALITY	TYPE	QUANTITY [PC]	OUTPUT [kVA/kW]	SPEED [RPM]	VOLTAGE [V]	YEAR OF PRODUCTION
Cascades	Synchronous	1	3279	240	4160	2015
Culliton Creek	Synchronous	2	8556	600	13800	2015
Fergus	Asynchronous	1	256	910	600	2003
Glendale	Asynchronous	1	481	519	480	2015
South Falls	Synchronous	1	1667	450	6600	2015
Thomas Low	Synchronous	2	2173	514	4160	2014
Tretheway Creek	Synchronous	2	13671	450	6900	2015
Wedgemount Creek	Synchronous	1	5946	900	4160	2015

USA

Boatlock Holyoke	Synchronous	1	746	240	6600	2010
Eagle River	Asynchronous	2	640	725	480	2013
Proctor	Synchronous	3	2034	514	4160	2014

Japan

Higashi-Shinmachi	Asynchronous	1	89	365	400	2011

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