

APPENDIX B: LIST OF EXISTING CHP FACILITIES

Combined Heat and Power Units located in Vermont*

State	City	Organization Name	Facility Name	Application	SIC4	NAICS	Op Year	Prime Mover	Capacity (kw)	Fuel Type
VT	Brattleboro	Brattleboro Kiln Dry Company	Brattleboro Kiln Dry Company	Wood Products	2421	321113	2000	ERENG	380	NG
VT	Beecher Falls	Ethan Allen, Inc.	Ethan Allen, Inc.	Furniture	2511	337112	1940	B/ST	1,232	WOOD
VT	Below Falls	Bellow Falls High School	Bellow Falls High School	Schools	8211	61111	1991	ERENG	433	OIL
VT	Bennington	Aegis Energy Services Inc.	Crescent Manor Nursing Home	Nursing Homes	8051	62311	1996	ERENG	60	NG
VT	Berkshire	Pleasant Valley Farms	Berkshire Cow Power	Agriculture	241	11212	2006	ERENG	600	BIOMASS
VT	Brattleboro	Brattleboro Retreat	Brattleboro Retreat	Misc. Education	8261	62322	1988	ERENG	1,000	OIL
VT	Brattleboro	Omega Optical	Omega Optical	Instruments	3827	333314	2005	ERENG	461	OTR
VT	Bridport	Blue Spruce Farm	Blue Spruce Farm	Agriculture	241	11212	2005	ERENG	392	BIOMASS
VT	Burlington	Concept Technology, Inc.	Vermont Energy Investment Corporation	Office Buildings	6512	53112	1988	ERENG	60	NG
VT	Charlotte	Hinsdale Farms	Hinsdale Farms	Agriculture	241	11212	2005	ERENG	65	BIOMASS
VT	East Ryegate	American Tractebel	East Ryegate Wood Energy	Pulp and Paper	2600	322	1992	B/ST	20,000	WOOD
VT	East Thetford	Pompanoosuc Mills	Pompanoosuc Mills	Furniture	2511	33712	2008	B/ST	30	WAST
VT	Essex Junction	Essex Junction Wastewater Treatment Facility	Essex Junction Wastewater Treatment	Wastewater Treatment	4952	562111	2004	MT	60	BIOMASS
VT	Florence	Vermont Marble Company	Florence Project	Minerals	1411	212311	1992	CT	7,600	NG
VT	Gilman	Gilman Mill	Gilman Mill	Pulp and Paper	2621	322121	1982	B/ST	4,000	WOOD
VT	Jeffersonville	Bell Gates Lumber	Bell Gates Lumber	Wood Products	2421	321113	1988	B/ST	75	WOOD
VT	Middlebury	Middlebury College	Middlebury College	Colleges/Univ.	8221	61131	1982	B/ST	1,885	OIL
VT	Middlebury	Foster Brothers Farm, Inc.	Foster Brothers Farm, Inc.	Agriculture	100	111	1982	ERENG	142	BIOMASS
VT	Newport	North Country Hospital	North Country Hospital	Hospitals/Healthcare	8062	62211	2005	B/ST	274	WOOD

State	City	Organization Name	Facility Name	Application	SIC4	NAICS	Op Year	Prime Mover	Capacity (kw)	Fuel Type
VT	Northfield	Norwich University	Norwich University	Colleges/Univ.	8221	61131	1987	B/ST	625	OIL
VT	Poultney	Green Mountain College	Green Mountain College Biomass Facility	Colleges/Univ.	8221	61131	2010	B/ST	300	WOOD
VT	Putney	Westminster Farms / GHD, Inc.	Westminster Farms	Agriculture	241	11212	2009	ERENG	225	BIOMASS
VT	Sheldon	Green Mountain Dairy Farm	Green Mountain Dairy Farm	Agriculture	241	11212	2007	ERENG	275	BIOMASS
VT	Sheldon Springs	Rock Tenn	Rock Tenn	Pulp and Paper	2621	322121	1994	B/ST	1,135	OTR
VT	South Burlington	South Burlington School	South Burlington School	Schools	8211	61111	1999	ERENG	60	NG
VT	Springfield	VT Department of Corrections	Southern State Correctional Facility	Justice/ Public Order	9223	922140	2005	ERENG	600	NG
VT	Swanton	Montagne Farm	Montagne Dairy Farm	Agriculture	241	11212	2007	ERENG	300	BIOMASS
VT	Waterbury	Northern Power Systems	Green Mountain Coffee Roasters	Food Processing	2095	31192	2003	ERENG	375	NG

Prime Mover Code	Description	Fuel Code	Description
B/ST	Boiler/Steam Turbine	BIOMASS	Biomass, LFG, Digester Gas, Bagasse
CC	Combined Cycle	COAL	Coal
CT	Combustion Turbine	NG	Natural Gas, Propane
FCEL	Fuel Cell	OIL	Oil, Distillate Fuel Oil, Jet Fuel, Kerosene, RFO
MT	Microturbine	WAST	Waste, MSW, Black Liquor, Blast Furnace Gas, Petroleum Coke, Process Gas
ERENG	Reciprocating Engine	WOOD	Wood, Wood Waste
OTR	Other	OTR	Other

State Summary for Vermont

Prime Mover Code	Sites	Capacity (kW)
Total	28	42,644
B/ST	10	29,556
CC	0	0
CT	1	7,600
FCEL	0	0
MT	1	60
OTR	0	0
ERENG	16	5,428

*La Capra Associates collected this data set from the Combined Heat and Power Installation database. The database is run by Energy and Environmental Analysis, Inc./ICF International with support from the U.S. Department of Energy and Oak Ridge National Laboratory.¹ La Capra Associates notes that certain data contained in the table is known to be incorrect,² particularly the data related to the assignment of fuel type. Based on research conducted and discussions with local utilities in Vermont, natural gas is currently available in a limited part of the state. Based on this information, CHP units located outside the northwest corner of the state could not be fueled by natural gas as indicated in the chart above (this includes Brattleboro, Bennington, Florence, Springfield and Waterbury).

¹ <http://www.eea-inc.com/chpdata/States/VT.html>; <http://www.eea-inc.com/chpdata/>; Content updated 5/10/2010

² Additionally, the CHP database website states that, "This database is a work in progress. While the information is believed to be accurate, we realize that incorrect data may be included and that the database may not be complete."