

Avg T to D Cost Ratio
 28% 72%

Region	Type	Study1 Number of DG Facilities	Study 1 DG Capacity (MW)	Study2 Number of DG Facilities	Study 2 DG Capacity (MW)	Study1 TSIS Costs	Study1 DSIS Costs	Study1 DSIS-T Costs	Study1 DSIS-D Costs	Scale Factor	Scaled TSIS	Scaled DSIS	Total Cost	Scaled DSIS-T	Scaled DSIS-D
Ayer-Clinton	New Study			3	23			\$ -	\$ -				\$ 64,000,000	\$ 15,100,000	\$ 39,000,000
Barre-Athol	Previous Study Basis	8	25	9	41	\$ 2,119,782	\$ 72,452,964	\$ 18,326,066	\$ 54,126,898	1.61	\$ 3,400,000	\$ 116,800,000	\$ 120,200,000	\$ 29,500,000	\$ 87,200,000
Gardner	Previous Study Basis	9	21.0	8	54	\$ 43,000,000	\$ 29,619,328	\$ 4,369,968	\$ 25,249,360	2.59	\$ 111,400,000	\$ 76,800,000	\$ 188,200,000	\$ 11,300,000	\$ 65,400,000
Millbury-Grafton	New Study			3	16			\$ -	\$ -				\$ 45,400,000	\$ 10,700,000	\$ 27,600,000
MPL-East	Previous Study Basis	8	23.1	9	35	\$ 1,949,105	\$ 54,256,317	\$ 20,188,850	\$ 34,067,467	1.51	\$ 2,900,000	\$ 81,800,000	\$ 84,700,000	\$ 30,400,000	\$ 51,300,000
MPL-Northwest	Previous Study Basis	3	8.1	1	5		\$ 6,883,118	\$ 434,490	\$ 6,448,628	0.61	\$ -	\$ 4,200,000	\$ 4,200,000	\$ 300,000	\$ 3,900,000
Shutesbury	New Study			5	20			\$ -	\$ -				\$ 26,700,000	\$ 7,500,000	\$ 19,200,000
Spencer-Rutland	Previous Study Basis	8	29.3	12	62		\$ 135,230,430	\$ 38,312,688	\$ 96,917,742	2.10	\$ -	\$ 284,400,000	\$ 284,400,000	\$ 80,600,000	\$ 203,800,000
Webster-Southbridge-Charlton	Previous Study Basis	2	16.3	12	75		\$ 16,754,948	\$ 6,334,603	\$ 10,420,345	4.63	\$ -	\$ 77,600,000	\$ 77,600,000	\$ 29,400,000	\$ 48,300,000
Grand Total		38	123.1	62	331	\$ 47,068,887	\$ 315,197,105	\$ 87,966,665	\$ 227,230,440		\$ 134,700,000	\$ 760,700,000	\$ 895,400,000	\$ 214,800,000	\$ 545,700,000

Region	Number of DG Facilities	DG MW In queue	Estimated Study Completion	Estimated Interconnection Costs w/TSIS	Estimated Interconnection Costs w/o TSIS	\$/kW w/TSIS	\$/kW w/o TSIS	Estimated Construction Completion	DG MW Enabled	\$/kW Enabled w/TSIS	\$/kW Enabled w/o TSIS
Ayer-Clinton	3	23	Spring 2022	\$ 64,000,000	\$ 54,100,000	\$ 2,790	\$ 2,358	2027-5 Years	100	\$ 640	\$ 541
Barre-Athol	9	41	Spring 2022	\$ 120,200,000	\$ 116,800,000	\$ 2,951	\$ 2,868	2027-5 Years	240	\$ 501	\$ 487
Gardner	8	54	Summer 21	\$ 188,200,000	\$ 76,800,000	\$ 3,460	\$ 1,412	2027-5 Years	165	\$ 1,141	\$ 465
Millbury-Grafton	3	16	Spring 2022	\$ 45,400,000	\$ 38,300,000	\$ 2,794	\$ 2,357	2027-5 Years	50	\$ 908	\$ 766
MPL-East	9	35	Summer 21	\$ 84,700,000	\$ 81,800,000	\$ 2,435	\$ 2,352	2027-5 Years	155	\$ 546	\$ 528
MPL-Northwest	1	5	Spring 2022	\$ 4,200,000	\$ 4,200,000	\$ 848	\$ 848	2027-5 Years	15	\$ 280	\$ 280
Shutesbury	5	20	Winter 2022	\$ 26,700,000	\$ 26,700,000	\$ 1,342	\$ 1,342	2027-5 Years	30	\$ 890	\$ 890
Spencer-Rutland	12	62	Spring 2022	\$ 284,400,000	\$ 284,400,000	\$ 4,608	\$ 4,608	2027-5 Years	300	\$ 948	\$ 948
Webster-Southbridge-Charlton	12	75	Spring 2022	\$ 77,600,000	\$ 77,600,000	\$ 1,029	\$ 1,029	2027-5 Years	180	\$ 431	\$ 431
Total	62	331		\$ 895,400,000	\$ 760,700,000	\$ 2,704	\$ 2,298		1235	\$ 725	\$ 616

40%		TSIS On/Off		0	
Multi-Value-T	Multi-Value-D	CIP-T	CIP-D	CIP \$/kW Enabled	CIP-D \$/kW Enabled
\$ 6,000,000	\$ 15,600,000	\$ 9,100,000	\$ 23,400,000	\$ 325	\$ 234
\$ 11,800,000	\$ 34,900,000	\$ 17,700,000	\$ 52,300,000	\$ 292	\$ 218
\$ 4,500,000	\$ 26,200,000	\$ 6,800,000	\$ 39,200,000	\$ 279	\$ 238
\$ 4,300,000	\$ 11,000,000	\$ 6,400,000	\$ 16,600,000	\$ 460	\$ 332
\$ 12,200,000	\$ 20,500,000	\$ 18,200,000	\$ 30,800,000	\$ 316	\$ 199
\$ 100,000	\$ 1,600,000	\$ 200,000	\$ 2,300,000	\$ 167	\$ 153
\$ 3,000,000	\$ 7,700,000	\$ 4,500,000	\$ 11,500,000	\$ 533	\$ 383
\$ 32,200,000	\$ 81,500,000	\$ 48,400,000	\$ 122,300,000	\$ 569	\$ 408
\$ 11,800,000	\$ 19,300,000	\$ 17,600,000	\$ 29,000,000	\$ 259	\$ 161
\$ 85,900,000	\$ 218,300,000	\$ 128,900,000	\$ 327,400,000	\$ 369	\$ 265

5Year CIAC	CIP-D Portion of CIAC	5Year Post CIAC MV-D	5Year Post CIAC CIP-D
\$ 7,500,000	\$ 5,400,000	\$ 15,600,000	\$ 18,000,000
\$ 11,900,000	\$ 8,900,000	\$ 34,900,000	\$ 43,400,000
\$ 15,200,000	\$ 13,000,000	\$ 26,200,000	\$ 26,200,000
\$ 7,500,000	\$ 5,400,000	\$ 11,000,000	\$ 11,200,000
\$ 11,000,000	\$ 6,900,000	\$ 20,500,000	\$ 23,900,000
\$ 800,000	\$ 700,000	\$ 1,600,000	\$ 1,600,000
\$ 10,600,000	\$ 7,600,000	\$ 7,700,000	\$ 3,900,000
\$ 35,100,000	\$ 25,100,000	\$ 81,500,000	\$ 97,200,000
\$ 19,500,000	\$ 12,100,000	\$ 19,300,000	\$ 16,900,000
\$ 119,100,000	\$ 85,100,000	\$ 218,300,000	\$ 242,300,000