

**TOWN OF HOPKINTON
PROPOSED MAIN STREET SOLAR
HOPKINTON, RHODE ISLAND
CONCEPTUAL ENGINEER'S COST ESTIMATE FOR REFORESTATION PLAN
Revised December 13, 2019**

Item No.	Description	UM	Quantity	Unit Price	Total	Note
1	CONTROL OF NON NATIVE INVASIVE PLANTS				*	6
2	SOIL EROSION CONTROL MEASURES, AS NEEDED				*	6
3	BARE ROOT PINE AND HARDWOOD SEEDLINGS, 18" HEIGHT (200 PER ACRE)	EA	12,900	\$ 3.25	\$ 41,925.00	1
4	BARE ROOT SHRUBS, 18" HEIGHT (100 PER ACRE)	EA	6,450	\$ 3.25	\$ 20,962.50	1
5	INSTALLATION OF 4' HIGH TREE TUBES, STAKES AND TIES	EA	10,000	\$ 5.40	\$ 54,000.00	7
6	REMOVAL OF INSTALLATION OF TREE TUBES, STAKES AND TIES AFTER ESTABLISHMENT	EA	10,000	\$ 1.60	\$ 16,000.00	8
7	HIRING OF PROFESSIONAL FORESTER	PDAY	14	\$ 750.00	\$ 10,500.00	1
8	POST PLANTING MONITORING (ANNUAL INSPECTIONS, MINIMUM 5 YEARS)	EA	5	\$ 1,500.00	\$ 7,500.00	
9	1 YEAR GUARANTEE PERIOD (Assumes 50% Replacement of Trees and Shrubs)	LS	1	\$ 31,443.75	\$ 31,443.75	5
10	MOBILIZATION (4% OF TOTAL COST OF ITEMS 3 TO 6)	LS	1	\$ 5,315.50	\$ 5,315.50	
11	CONTINGENCY (20% OF ITEMS 3 - 9)				\$ 36,466.25	
					TOTAL =	
					\$ 224,113.00	

NOTES:

- 1 Unit Prices are based upon current (2019) costs.
- 2 Cost assumes that all areas were loamed and seeded during solar installation and no additional loam will be imported.
- 3 Estimate is based on Main Street Solar Plans, dated 07-24-2019 by Diprete Engineering.
Total Reforestation area = 65 acres
- 4 Estimate assumes that no additional common borrow will be needed.
- 5 Guarantee is based upon 50% of items 3 and 4.
- 6 Items 1 and 2 are included in the 20% contingency value.
- 7 (\$3/tube x 10,000 tubes) + (3 weeks x 5 people x 40 hours/week x \$40/hour)
- 8 2 weeks x 5 people x 40 hours/week x \$40/hour