

**11/28/18 NOTICE OF COMMUNITY MEETINGS
on Phase 3 Solar Projects on City Owned Property**

The City is considering twenty additional locations for solar arrays. The locations are on City owned property including roofs of buildings and on parking canopies to be constructed on some of the City's parking lots. A list of the twenty locations is below. The City is holding Public Meetings to present the projects and hear your questions and concerns.

Background

These proposals are for the third phase of the City of Newton's solar development program. The City has already constructed solar arrays on 12 City owned sites. These sites generate about 4.4 million kWh of solar energy which is the equivalent of 21% of our municipal electricity use. The proposed projects would generate another 5.4 million kWh which would bring the percentage of solar energy in our municipal electricity usage to 47%.

These solar projects help reduce our carbon footprint and also generate revenues and savings for the City. The Phase 1 and 2 solar projects generated over \$650,000 in savings for the City of Newton in FY 2018. According to the US EPA, the effect of these projects would be the equivalent of either removing 865 gas-powered cars from the road or the carbon sequestration effect of a 4,758 acre forest. The proposed Phase 3 projects would exceed the environmental benefits of Phases 1 and 2 combined.

The Public Meetings are being held as follows:

December 11, 2018 (Tuesday), 6:30 to 9:00 p.m., City Hall in the War Memorial Auditorium, all 20 sites will be presented.

December 12, 2018 (Wednesday), 6:30 to 9:00 p.m., City Hall in the War Memorial Auditorium, all 20 sites will be presented.

December 18, 2018 (Tuesday), 6:30 to 9:00 p.m., Newton Free Library, Druker Auditorium, this meeting will focus only on the Library Solar Parking Canopy.

We look forward to hearing your comments. Questions? Reach out to Bill Ferguson at wferguson@newtonma.gov

PROPOSED PHASE 3 SOLAR SITES

	Roof Sites	<u>Total First Year Output kWh</u>	<u>Location</u>
1	Ed Center roof, 100 Walnut St.	95,799	Roof
2	Fire Station #3 and Headquarters, 31 Willow Street, roof	77,395	Roof
3	Zervas Elementary School, 30 Beethoven Ave	216,094	Roof
4	FA Day Middle School roof, 21 Minot PlaceRoof	303,215	Roof
5	Angier Elementary School Gym roof, 1697 Beacon St	95,355	Roof
6	Williams Elementary School, 141 Grove Street	138,466	Roof
7	Cabot gym roof, 229 Cabot School	68,432	Roof
8	Carr School, 225, Nevada Street	68,486	Roof
Total Phase 3 Roof sites kWh		1,063,242	

	Parking Lot Canopy Sites		
9	Newton Free Library, 330 Homer Street	262,909	Parking lot
10	Countryside Elementary School parking lot, 191 Dedham Street	383,040	Parking lot
11	North High School lots, 360 Lowell Ave and Walnut Street	973,560	Parking lot
12	Auburndale Cove, West Pine St.	398,677	Parking lot
13	250 Albermarle Road, on street parking	598,100	Parking lot
14	Pleasant Street lot	114,709	Parking lot
15	Brown Middle School lot, corner of Meadowbrook Road and Wheeler Road	466,029	Parking lot
16	Memorial Spaulding Elementary School parking lot, 250 Brookline Ave	178,639	Parking lot
17	Oak Hill MS parking lot, 130 Wheeler Road, behind Oak Hill Middle School	208,718	Parking lot
18	Ed Center parking lot, 100 Walnut St.	302,240	Parking lot
19	Bigelow Middle School parking lot, Park Street (behind Bigelow School)	286,550	Parking lot
20	Mason Rice Elementary School Parking lot, 149 Pleasant St	191,674	Parking lot
Total Phase 3 Canopy sites kWh		4,364,845	

		FY 2018 kWh	Per Cent of Municipal Use
	Phase 3 Total kWh-design	5,428,087	26%
	Phase 2 Total kWh-actual	3,773,369	18%
	Phase 1 Total kWh-actual	622,475	3%
	All Phases kWh	9,823,931	

Municipal Total Use kWh FY 2018

20,600,000