

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
DEPARTMENT OF ENERGY RESOURCES
RPS SOLAR CARVE-OUT

Determination of CY 2012 Total Compliance Obligation
(per regulation 225 CMR 14.07(2)(d))

Formula

$$\begin{aligned} \text{Total Compliance Obligation}_{\text{CY}} = & \\ & \text{Total Compliance Obligation}_{\text{CY-1}} \\ & + [\text{Total SRECs Generated (projected)}_{\text{CY-1}} - \text{SRECs Generated (actual)}_{\text{CY-2}}] \times 1.3 \\ & - \text{ACP Volume}_{\text{CY-2}} + \text{Banked Volume}_{\text{CY-2}} + \text{Auction Volume}_{\text{CY-2}} \end{aligned}$$

Term in Formula	CY 2012 Min Std Term	Value (MWh)	Source
Total Compliance Obligation _{CY-1}	Total Compliance Obligation ₂₀₁₁	78,577	per regulation; 225 CMR 14.07(2)(c)
Total SRECs Generated (projected) _{CY-1}	Total SRECs Generated (projected) ₂₀₁₁	29,056	DOER, as provided in Table of Projection Details below
SRECs Generated (actual) _{CY-2}	SRECs Generated (actual) ₂₀₁₀	2,738	2010 RPS Compliance Filings (see 2010 Annual Compliance Report, forthcoming)
ACP Volume _{CY-2}	ACP Volume ₂₀₁₀	31,231	2010 RPS Compliance Filings (see 2010 Annual Compliance Report, forthcoming)
Banked Volume _{CY-2}	Banked Volume ₂₀₁₀	0	2010 RPS Compliance Filings (see 2010 Annual Compliance Report, forthcoming)
Auction Volume _{CY-2}	Auction Volume ₂₀₁₀	0	2010 RPS Compliance Filings (see 2010 Annual Compliance Report, forthcoming)

Calculations			
Total Compliance Obligation _{CY}	Total Compliance Obligation ₂₀₁₂	81,559	per formula above and regulation; 225 CMR 14.07(2)(d)
2010 Load		50,025,563	2010 RPS Compliance Filings (see 2010 Annual Compliance Report, forthcoming)
CY 2012 Minimum Standard		0.1630%	division of above two terms

Formula Results

Total Compliance Obligation₂₀₁₂
 $81,559 \text{ MWh} = 78,577 \text{ MWh} + [29,056 - 2,738] \times 1.3 - 31,231 - 0 - 0$

CY 2012 Minimum Standard
 $0.1630\% = 81,559 \text{ MWh} / 50,025,563 \text{ MWh} \times 100$

Table of Projection Details

Projection of CY 2011 Total SRECs Generated (for use in formula above)	Total Capacity (MW)	Actual/Projected CY 2011 SREC Generation ¹
Qualified Projects (installed through August 31, 2011)		
Actual SRECs generated per NEPOOL GIS - Q1 2011		2,358
Expected MW/MWh reported by qualified projects (Q2-Q4 2011) ²	26.449	21,904
Expected Projects (to be installed August - December)		
State Supported Projects		
Solar Stimulus (with DCAM, ARRA funded)	0.528	152
Commonwealth Solar II and Commonwealth Solar Stimulus Programs	2.663	600
Massachusetts Authorities - Solar Projects	0.454	65
EECBG/Green Communities Funded Projects	3.080	203
Utility Owned Projects	2.500	380
Private Sector Installations (based on quarterly growth trends)	14.000	3,394
TOTAL	49.674	29,056

¹ projected generation assumes capacity factor of 13% and duration of year remaining after anticipated installation date

² Includes the capacity that generated the 2,358 SRECs in Q1 2011