Commonwealth of Massachusetts Executive Office of Energy and Environmental Affairs DEPARTMENT OF ENERGY RESOURCES Renewable Energy Portfolio Standard - Class II

Final Determination of CY 2020 Minimum Standard (per 225 CMR 15.07(1)(b)) 8/30/2018

Formula per 225 CMR 15.07(1)(b)

 $Minimum Standard_{CY} =$

 $\label{eq:control_control_control_control} \begin{subarray}{ll} Minimum Standard_{CY-1} + (Settled Attributes_{CY-3} / Total Electrical Energy Sales_{CY-3}) - (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-4} & (Settled Attributes_{CY-4} / Total Electrical Energy Sales_{CY-4}) \\ \begin{subarray}{ll} Sales_{CY-$

Term in Formula	CY 2020 Min Std Term	Value (MWh)	Source
Minimum Standard _{CY-1}	Minimum Standard ₂₀₁₉	2.6883%	per regulation; 225 CMR 14.07(1)(a)
Settled Attributes _{CY-3}	Settled Attributes ₂₀₁₇	783,521	2017 Compliance Filings (see 2017 RPS Annual Compliance Report, forthcoming)
Total Electrical Energy Sales _{CY-3}	Total Retail Load ₂₀₁₇	45,722,855	NEPOOL GIS (see 2017 RPS Annual Compliance Report, forthcoming)
Settled Attributes _{CY-4}	Settled Attributes ₂₀₁₆	560,639	2016 RPS/APS Annual Compliance Report (forthcoming)
Total Electrical Energy Sales _{CY-4}	Total Retail Load ₂₀₁₆	46,864,431	2016 RPS/APS Annual Compliance Report (forthcoming)

Calculations	CY 2020 Min Std Term	Value	Source
Minimum Standard _{CY}	Minimum Standard ₂₀₂₀		per formula above and regulation; 225 CMR 15.07(1)(b)

Formula Results

Minimum Standard 2020

3.2056% = 2.6883% + (783,521/45,722,855) - (560,639/46,864,431)