



MASSACHUSETTS SOLAR QUICK REFERENCE: EVERSOURCE WEST

Updated: 11/26/18

Choose 1 or 2 or 3

Behind The Meter (BTM)

| Behind The Meter (BTM) | | SMART | | | | | | 1. Net Metering | | 2. Alt. On Bill Credit | 3. Qualifying Facility / Onsite Gen. Facility (P-Rate) [L1] | | | |
|--|--|---|--|---|-----------------------------------|----------------|-------------------------------|--|---|------------------------|--|--|---|--|
| STGU AC Capacity (not greater than) [A1] | Grid Interconnection [B1] | SMART Land Use Performance Standards for Ground Mounted Systems /Greenfield Subractor? [C1] | SQA Docs | Base Compensation Rate /Term (Block 1) [E1] | Adders Available (Tranche 1) [F1] | CSS | SMART Calculation | Availability/ Market Net Metering | MMRC [J1] | | | | | |
| <=10 kW | Simplified: <= 15 kW (1-phase or) <= 25 kW (3-phase) [B2] | No | 1.Contract 2.PPA /Lease 3.LI Evid. 4.CDF[D1] | \$0.28576 / LI: \$0.32862 (10 Years) | ENERGY STORAGE | Not Applicable | STATIC Incentive Payment [H1] | Exempt: Cap & Marketing Net Metering [I1] | <i>Suspend ed pending DPU ruling</i> | Not Applicable | Bi-directional meter: "net" over billing period / Avg. monthly clearing price at ISO-NE [<=60 kW] [L2] | | | |
| <=25 kW | | | | | | | | 3-phase (only) Exempt: Cap & Marketing Net Metering [I1] | | | | | | |
| > 25 to 250 kW | Expedited / Standard Process | | 1.ISA 2.Site Control 3.Non-ministerial permits [D2] | \$0.21432 (20 Years) | | | | 1. LOCATION BASED <ul style="list-style-type: none"> Agricultural (\$0.06) Building Mounted (\$0.02) Brownfield (\$0.03) Canopy (\$0.06) Floating Solar (\$0.03) Landfill (\$0.04) | Capacity Under Cap Public: 10.5 MW Private: <u>None</u> . 7.0 MW Waiting List [I2] | | <i>Suspend ed pending DPU ruling</i> | Dual register interval meter / Avg. monthly clearing price at ISO-NE | | |
| >250 to 500 kW | | | | \$0.17860 (20 Years) | | | | | | | | | 2.OFFTAKER BASED <ul style="list-style-type: none"> CSS (\$0.05) [F2] Low Income Property (\$0.03) Low Income CSS (\$0.06)[F2] Public Entity (\$0.02) | Private Cap [I3] <ul style="list-style-type: none"> Market Net Metering Applies (60% of full value) Distribution rate not included after 1,000 kW 2,000 kW – max facility |
| >500 to 1,000 kW | | | | \$0.15717 (20 Years) | | | | | | | | | | |
| >1,000 to 2,000 kW [A2] | | | 1.Perform. Standards Apply 2.Exemption to Subtractor Include: Brownfields, Landfills, developed land, etc.. | \$0.14288 (20 Years) | | | | | | | | | | |
| >2,000 to 5,000 kW [A3] | | | | | | | | | | | | | | |
| A | B | C | D | E | F | G | H | I | J | K | L | | | |



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Front of The Meter (FTM)

| Front of The Meter (FTM) | | SMART | | | | | | 1. Net Metering | | 2. Alt. On Bill Credit [Q1] | 3. Qualifying Facility / Onsite Gen. Facility (P-Rate) [R1] | |
|--------------------------|--|---|--|---|---|--|--------------------------------|--|---|---|---|--|
| STGU AC Capacity [A1] | Grid Interconnection [B1] | SMART Land Use Performance Standards for Ground Mounted Systems /Greenfield Subractor? [C1] | SQA Docs | Base Compensation Rate / Term (Block 1) [E1] | Adders Available (Tranche 1) [F1] | CSS [M1] | SMART Calculation | Availability/ Market Net Metering | MMRC [P1] | | | |
| <=10 kW | Simplified: <= 15 kW (1-phase or) <= 25 kW (3-phase) [B2] | No | 1.Contract 2.PPA /Lease 3.LI Evid. 4.CDF[D1] | \$0.28576 / LI: \$0.32862 (10 Years) | ENERGY STORAGE [F3] | Smaller than 100 kW-AC exempt from 50% requirement | DYNAMIC Incentive Payment [N1] | Exempt: Cap & Marketing Net Metering [O1] | <i>Suspend ed pending DPU ruling</i> | No cap on the amount of credits an oftaker can receive. | Bi-directional meter: "net" over billing period / Avg. monthly clearing price at ISO-NE [<=60 kW] [R2] | |
| <=25 kW | | | | 3-phase (only) Exempt: Cap & Marketing Net Metering [O1] | | | | | | | | |
| >25 to 250 kW | Expedited / Standard Process | | \$0.21432 (20 Years) | 1. LOCATION BASED • Agricultural (\$0.06) • Building Mounted (\$0.02) • Brownfield (\$0.03) • Canopy (\$0.06) • Floating Solar (\$0.03) • Landfill (\$0.04) | Requires at least 3 customers , and no more than 25 kW-AC, and more than 50% of total capacity. | | | Capacity Under Cap Public: 10.5 MW Private: <u>None</u> . 7.0 MW Waiting List [I2] | <i>Suspend ed pending DPU ruling</i> | | Credits can transfer across an ISO-NE load zone within Eversourc e West territory. No transfer to or from Eversourc e East. | Dual register interval meter / Avg. monthly clearing price at ISO-NE |
| >250 to 500 kW | | | \$0.17860 (20 Years) | | | | | | | | | |
| >500 to 1,000 kW | Pre-application required (500 kW or greater) ISO-New England approval required for 1 MW or greater | | 1.Perform. Standards Apply 2.Exemption to Subtractor Include: Brownfields, Landfills, developed land, etc.. | 2.ISA 3.Non-ministerial permits | \$0.15717 (20 Years) | | | 2.OFTAKER BASED • CSS (\$0.05) • Low Income Property (\$0.03) • Low Income CSS (\$0.06) • Public Entity (\$0.02) | Dual register interval meter /hourly ISO-NE price | | | |
| >1,000 to 2,000 kW [A2] | | | | | \$0.14288 (20 Years) | | | | | | 3. ENERGY STORAGE [F3] 4. TRACKING (\$0.01) | |
| >2,000 to 5,000 kW [A3] | | | | | | | | | | | | |
| A | B | C | D | E | F | M | N | O | P | Q | R | |



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STATUS AND FEES

BLOCK STATUS (source: www.masmartsolar.com)

| SMALL (<=25kW) | | |
|----------------|--------------------------|----------------|
| Block 1 | | |
| Size (MW) | Allocated & Pending (MW) | Available (MW) |
| 3.147 | 0 | 3.147 |

| LARGE (>25kW) | | |
|---------------|--------------------------|----------------|
| Block 1 | | |
| Size (MW) | Allocated & Pending (MW) | Available (MW) |
| 12.588 | 7.700 | 4.888 |

ADDER STATUS (source: www.masmartsolar.com)

| | LOCATION BASED (MW) | | | | | | OFFTAKER BASED (MW) | | | | ENERGY STORAGE (MW) | TRACKING (MW) |
|--------------------------|---------------------|------------------|------------|--------|----------------|----------|---------------------|-------------|--------|---------------|---------------------|---------------|
| | Agricultural | Building Mounted | Brownfield | Canopy | Floating Solar | Landfill | CSS | LI Property | LI CSS | Public Entity | | |
| Size (MW) | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Allocated & Pending (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Available (MW) | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

METERING

| | Cost | Data Out? |
|---------------|------------------|-----------|
| STGU <= 60 kW | \$100 (approx..) | NO |
| STGU > 60 kW | \$500 (approx..) | YES |

SMART APPLICATION FEES (as proposed: 11/14/18, EDC Informational Filing, D.P.U. 17-140)

| STGU (kW) | <=25 | 25– 250 | 250 – 1,000 | 1,000 –5,000 | App. Change Fee | 6-Month Extension |
|-----------|-------|---------|-------------|--------------|-----------------|----------------------|
| Fee | \$130 | \$180 | \$1,675 | \$3,250 | \$70 | \$25/kW (refundable) |

CAPACITY RIGHTS

Capacity rights are not assigned, pending ruling on D.P.U. 17-146.



MASSACHUSETTES SOLAR QUICK REFERENCE: EVERSOURCE WEST

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NOTES

[A1] Nameplate inverter capacity (kW-AC)

[A2] Public Utility Regulatory Policies Act of 1978 Requirements. A Solar Tariff Generation Unit with a maximum net power production capacity of greater than one MW shall obtain federal qualifying facility status from the Federal Energy Regulatory Commission pursuant to 18 C.F.R. § 292.207(a) and (b). A Solar Tariff Generation Unit with a maximum net power production capacity of less than or equal to one MW shall attest to its status as a federal qualifying facility in the Statement of Qualification application." 225 CMR 20.00." [225 CMR 20.00, 20.05: Tariff Based Incentive Program for Solar Photovoltaic Generation Units, (5)(c)]

[A3] Maximum capacity under SMART: "The aggregate maximum capacity of Solar Tariff Generation Units located on a single parcel of land shall be five MW and shall not be inclusive of any solar photovoltaic generating capacity that is not qualified under 225 CMR 20.00." [225 CMR 20.00, 20.05: Tariff Based Incentive Program for Solar Photovoltaic Generation Units (5)(a)]

[B1] Western Massachusetts Electric Company, M.D.P.U. No. 1039F, STANDARDS FOR INTERCONNECTION OF DISTRIBUTED GENERATION

[B2] For "Network" interconnections the Simplified process can be followed if: Listed inverter-based system less than 1/15th of customer's minimum load and fed from a spot network, or A Listed inverter-based system that is 15 kW or less and less than 1/15th of the customer's minimum load and fed from an area network

[C1] [225 CMR 20.00, 20.05 (5)(e) Land Use and Siting Criteria]

- Performance Standard applies to all ground mounted greater than 500 kW.
- Category 1 & Category 1 Non-Agricultural (No Subcontractors) includes: less than or equal to 500kW, building mounted, brownfields, landfills, previously developed land, explicit local zoning Agricultural STGU.
- Category 2: zoned for C&I and not previously developed land

[D1] [225 CMR 20.00, 20.05 20.06 (1)(b) Required Documentation for Solar Tariff Generation Units with Rated Capacities of 25 kW or Less: (1) Executed Contract, (2) Special Provisions for Third-Party Ownership, (3) Special Provisions for Low Income Generation Units, (4) Customer Disclosure Form.

[D2] [225 CMR 20.00, 20.05 20.06 (1)(c) Required Documentation for Solar Tariff Generation Units with Rated Capacities Larger than 25 kW: 1. an executed Interconnection Service Agreement; 2. demonstrate a sufficient interest in real estate or other contractual right to construct the Solar Tariff Generation Unit at the location specified in the ISA; 3. all necessary governmental permits and approvals with the exception of ministerial permits, such as a building permit, and notwithstanding any pending legal challenge(s) to one or more permits or approvals.

[E1] DOER, Solar Massachusetts Renewable Target (SMART) Program - 225 CMR 20.00, Guideline on Capacity Blocks, Base Compensation Rates, and Compensation Rate Adders, Effective Date: January 11, 2018

[F1] [225 CMR 20.07 (4)(e)] A STGU with a capacity of 25 kW AC or less may only combine its Base Compensation Rate with the Energy Storage Adder; A STGU with a capacity larger than

25 kW AC can combine its Base Compensation Rate with no more than one Compensation Rate Adder from each of the four categories and no combination of a Base Compensation Rate and Compensation Rate Adders can exceed the Base Compensation Rate for Low Income STGU.

[F2], [F3] These adders are unlikely to apply for the BTM or FTM configuration.

[H1] STATIC Incentive Payment [SMART Provision 7.0(3) (DPU Docket 17-140)]

- Incentive = (Base + Adders – Subcontractors – VOE) * kWhgen
- VOE = Sum(Distribution, Transmission, Transition, Basic Service)
 - for Distribution, Transmission and Transition: use prior calendar year
 - for Basic Service: use average of prior 3 calendar years
 - the VOE "...will not change during the term of the tariff, unless directed to change by DOER."

[I1] Net Metering Facilities with capacities equal or less than 10 kW (AC) for single phase interconnections and 25 kW (AC) are exempt from net metering caps. See: www.mass.gov/guides/net-metering-guide

[I2] See the System of Assurance for updates on available net metering capacity www.massaca.org

[I3] See: www.mass.gov/guides/net-metering-guide

[J1] DPU 17-05, MMRC Tariff Compliance Filing, September 11, 2018

[L1] Qualifying Facility: Qualifying facilities and on-site generating facilities - Information on qualifying facilities and how they differ from net metering facilities. www.mass.gov/service-details/qualifying-facilities-and-on-site-generating-facilities

[L2] 60 kW is the maximum capacity of a Class 1 Net Metering Facility or Qualification as an Onsite Generating Facility (220 C.M.R. 8.00)

[M1] 225 CMR 20.00, 20.05 (5)(e)

[N1] DYNAMIC Incentive Payment [SMART Provision 7.0(1)-(4) (DPU Docket 17-140)]

- Incentive = (Base + Adders – Subcontractors – VOE) * kWhgen
- for Net Metering: VOE = applicable net metering credit
 - for QF/OSGF: VOE = applicable QF rate
 - for AOBC: VOE = Basic Service rate

[O1]; [O2];[O3] See [I1] to [I3]

[P1] See [J1]

[Q1] Section 9.0, Alternative On Bill Credits, Joint Petition for Approval of Model SMART Tariff, SMART PROVISION; also, DPU 17-140C, ORDER ON ELECTRIC DISTRIBUTION COMPANIES' MOTION FOR CLARIFICATION AND NATIONAL GRID'S MOTION FOR CLARIFICATION, November 23, 2018

[R1] , [R2] See [L1], [L2]