Value Stack Phase Two Calculations

Effective 06/01/2019 for projects that qualified[1] for Value Stack after 07/26/2018

		Location of current rate or credit	Calculation
Supply	**LBMP**	[NYISO Day Ahead Prices](#)	N/A
	ICAP - Alt 1		Monthly Credit = [Alt 1 Rate] x [total kWh export] • *Alt 1 Rate = [monthly NYISO $/kW-month auction price] x [proxy capacity factor] / [monthly kWh/kW]* o *The proxy capacity factor and monthly kWh/kW are based on a solar load curve provided by the Public Service Commission*
	ICAP - Alt 2		Monthly Credit = [Alt 2 Rate] x [total kWh export during eligible hours] • *Alt 2 rate = [sum of the prior May through April monthly NYISO $/kW-month auction prices] / [240 or 245, based on number of eligible hours]* • *Eligible hours are the 240 or 245 hours on non-holiday weekdays from June 24 through August 31, from 2:00 PM until 7:00 PM*
	ICAP - Alt 3	[VDER Value Stack Credits Statement](#)	Monthly Credit = [Alt 3 rate] x [prior summer peak kW-coincident production] • *Alt 3 rate is based upon the actual monthly generation capacity spot price from NYISO's ICAP market that month* • *kW coincidence is based on average export during the NYCA peak hour of the prior NYISO ICAP Capability Period*
	REC		Monthly Credit = [Locked in Environmental Credit rate $/kWh] x [kWh export] • *Current rate is posted by Department of Public Service Staff*
Distribution	**DRV**		Monthly Credit = [DRV $/kWh] x [kWh export during eligible hours] • *Eligible hours include non-holiday weekdays from June 24 through September 15, in the time window locked-in during a project's interconnection*
	LSRV	For maps of LSRV areas please check [O&R Implementation Proposal for VDER.](#) For rates and MW availability, check the latest [VDER Statement](#).	LSRV Credit = [LSRV $/kW-year] / 10 * [kW performance] • *kW performance is determined by taking the Customer generator's minimum hourly net injection for each LSRV event and summing the total of these values* • *The LSRV credit is calculated annually, divided by 12 and credited monthly during the following calendar year.*

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[1] Qualification based on date of payment of at least 25% of interconnection costs, or date of executed interconnection agreement if payment is not required

Value Stack **Phase One** Calculations

Effective 11/01/2017 for projects that qualified[1] for Value Stack between 07/18/2017 and 07/26/2018

		Location of current rate or credit	Calculation
Supply	**LBMP**	[NYISO Day Ahead Prices](#)	Monthly Credit = [hourly kWh export] x [LBMP] x [line loss adjustment factor]
	ICAP - Alt 1		Monthly Credit = [total kWh export] x [Alt 1 Rate] • *Alt 1 Rate is equivalent to capacity portion of utility retail rates of Service Classification (SC)3* • *[SC3 Rate capacity costs] / [SC3 Rate sales] for a period* • *Alt 1 rate set twice a year (May and November)*
	ICAP - Alt 2		Monthly Credit = [kW of export generation during 460 summer hours] x [Alt 2 rates] • *460 peak summer hours are 14:00 to 18:00 for each day in June, July and August* • *Alt 2 Rate updated every May 15 based on the concentration of prior year's Alt 1 capacity rate in 460 summer hours*
	ICAP - Alt 3	[VDER Value Stack Credits Statement](#)	Monthly Credit = [Alt 3 rate] x [prior summer peak kWh-coincident export production] • *Alt 3 rate is based upon the actual monthly generation capacity spot price from NYISO's ICAP market that month* • *kWh coincidence is based on exports during the prior summer NYCA peak and is used for 12 months beginning the following May*
	REC		Monthly credit = [kWh export] x [Locked-in Environmental Rate] • See rate published by NY PSC staff
Distribution	**DRV**		Monthly credit = [DRV rate] * [average kW coincidence] / 12 • *Average kW coincidence is calculated based on export during the top 10 O&R system peak hours of previous year* • *DRV rate is valued based on O&R's marginal cost of service (MCOS) in non-high value areas*
	MTC		Monthly credit for mass market customers = [total kWh export] x [applicable MTC rate] • *MTC values are locked in for life of the project and can be found on VDER statement*
	LSRV	For maps of LSRV areas please check [O&R Implementation Proposal for VDER](#) For rates and MW availability, check the latest [VDER Statement](#).	Monthly credit = [LSRV rate] * [average kW coincidence] / 12 • *Average kW coincidence is calculated based on export during the 10 O&R system peak hours of previous year* • *LSRV rate is based on O&R's MCOS in higher value areas*

[1] Qualification based on date of payment of at least 25% of interconnection costs, or date of executed interconnection agreement if payment is not required