

Sector	Initiative	Previous NTG	Proposed NTG
<b>Residential</b>	Appliance recycling	0.69	0.5
	Behavior	1	1
	Heat Pump Water Heaters	0.87	0.87
	Residential Lighting	0.77	0.57, should discuss EUL adjustment
	Home Energy Services/Home Performance	0.9	0.9
	New Construction	0.87	1
<b>Low Income</b>	Low Income (single and multifamily)	1	1
<b>Residential and C&amp;I</b>	Appliances (non-lighting)	0.56	0.56
	Demand Response	1	1
<b>C&amp;I/Institutional</b>	C&I Lighting		.8 for linear, .65 for screw-in, should discuss EUL adjustment
	Non-Profits, Schools, Religious Institutions, and Small Business		0.95
	Farm Programs		1
	Performance Contracting		To determine this NTG value, we will need more information on what measures have been installed by current program

Revolving Loan Fund		To determine this NTG value, we will need more information on what measures
Street Lighting		TBD: Recommend between .85 and .66 depending on mix of new vs retrofit.
Large Business Custom C&I	0.7	0.5
Medium Business Custom C&I	0.7	0.7
Prescriptive C&I (medium and large businesses)	0.8	0.8

<b>Rationale/Notes</b>
Values for surrounding states (PA, MD, DC) are in .37-.66 range. Average value .5
All behavior programs assumed to be 1
Recommend keeping current value
Mid point between range .31 (MD) to .83 (PPL)--Markets are transforming rapidly so 2018 values reported here will be dropping further. The rapid emergence of LED lamps has led some jurisdictions to shorten the effective useful life of LEDs. Even though the lamps themselves will last for at least 10 years, there comes a point before that time where the only lamps available will be LEDs.
Range is .68 to .92. HPwES is less developed in DE as compared to other states. There are only 2 BPI Goldstar contractors in DE. NJ has 85, MD 8, Eastern PA 8.
Most programs have identified significant spillover from their RNC efforts
Nearly all low income programs are assumed to be 1
Retail Products has a range from (.29 to .70), rebates for small commercial range from .62 to .90, rebates for large C&I range from .56 to .88
DR not usually subject to NTG adjustments
Most jurisdictions have a 0.80 value for retrofit linear LEDs and lower values for screw-ins The rapid emergence of LED lamps has led some jurisdictions to shorten the effective useful life of LEDs. Even though the lamps themselves will last for at least 10 years, there comes a point before that time where the only lamps available will be LEDs. For example the NTG for MA varies by application: 0.665 for new construction, 0.936 for turnkey and retrofit, 0.860 for equipment replacement, 0.800 for upstream. At the same time, there is likelihood that EULs for reflectors and A lamps will be cut to 3 or less.
Because program is focused on non-profits, they are reaching a sector that has not been aggressive in investing in efficiency. NTG assumed to be similar to small business NTG.
There are no specific NTG values in the surrounding states. Farmers are traditionally slower to adopt new products and as a new program most measures will have a high NTG. In some cases newer measures may create spillover as many farmers require confirmation from other farmers before adopting new measures.

Most programs treat streetlighting as any other exterior lighting measure. The NTG for MA varies by application: 0.665 for new construction, 0.936 for turnkey and retrofit, 0.860 for equipment replacement, 0.800 for upstream.

Industrial programs have generally had lower NTG values than commercial. The only value in the DC/MD/PA region is a .31 for Duquesne. Recommended value is halfway between old custom C&I and this value.

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