

**Proposed DE EE Program NTG ratios**

Sec tor	Initiative	NTG	Assumptions	Reasoning	Draws from
Residential	Appliances (non-lighting)	0.56	Tier 1-Tier 3 appliance rebates	DPL Maryland evaluated NTG for 06/01/2013-05/31/2016 appliance rebates program. DPL's program consisted of Tier 1-Tier 3 appliances.	Residential: Retail Products
	Lighting	0.77	Standard LED Lighting Rebate Program	NTG taken from DEC projection, mean of lighting program evaluations from Maine, Massachusetts, New Hampshire, Pennsylvania, and Utah (Ranging from 2013-2015) An NTG study for lighting programs in DE should take place within the first year of program launch.	Residential: Retail Products: LED
	Appliance Recycling	0.69	Primarily refrigerator turn in	Mean of evaluated NTG from refrigerator turn in programs in CT, MA, OR, RI, VT, AR, WI, PA (2014-2015)	Residential: Refrigerator Turn-In
	Heating and DHW (electric)	0.59 (GSHP) 0.87 (HPWH)	SEER 13+ GHSP	DEC used NTG ratios for Geothermal Heat Pumps from an Ameren Illinois HVAC evaluation from 2013. DEC used mean NTG from PPL, Ameren IL, and Ameren MO for their HPWH evaluated NTGs(2013-2015)	Residential: Heating & Residential: Water Heating
	Heating and DHW (gas)	0.83	Heating AFUE >90% DHW EF >0.67	Mean NTG from gas measures in Massachusetts 2013-2015 residential heating and water heating program	Residential: Heating & Residential: Water Heating
	Behavior	1.0		All behavioral programs assumed to be 1	N/A
	New Construction	0.87		Mean NTG from evaluations in MA, RI, VT, WI, and AR (2014-2015)	Residential: New Construction
	Home Energy Services/ Home Performance	0.9	HES DI, Audits, and Rebates	From DPL's past program summary which had NTG's ranging from 0.77-0.91. Recommended to lean towards higher values because it is a new effort and program providing service in DE that largely was not previously available.	Residential: Home Energy
	Education	?	?	Unclear to what extent savings will be claimed from educational programs. Depending on how savings are estimated, may already be on a net basis.	N/A

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Low Income	Income Eligible HES	1.0	N/A	Nearly all low income programs are assumed to be 1	N/A
	Low Income Multi Family				
	Low Income New Construction				
C&I (not including small business)	Prescriptive	0.8	Prescriptive C&I programs for medium and large business	Based on DEC estimates and DPL Maryland Service Territory Evaluations, and PA EM&V for Act 129 programs. Start at 0.8 for C&I, but this would be a focus for NTG analysis in coming year.	C&I: Prescriptive & C&I: Large Commercial
	Custom	0.7	Custom C&I programs for medium and large business	Based on DPL Maryland. Custom is usually lower than prescriptive. This should be calculated each year.	C&I: Custom