

ORIGINAL

N.H.P.U.C. Case No. DE 10-188

Exhibit No. # 37

Witness G. Gelman - T. Palha

Exhibit IV-15: Residential Comparison of Obtainable Potential to Current Savings
(Annualized MWh)

Measure Category	Obtainable Potential	2010 CORE Savings	2015 Market Potential
New Construction	1,766	1,121	2,823
Lighting	27,447	11,779	2,421
Refrigerator Removal	5,280	-	1,954
ES Appliances	5,437	1,841	2,202
HVAC	2,537	147	1,141
Domestic Hot Water	1,170	-	1,170
Weatherization	1,220	226	619
Other	5,404	71	1,223
Total Residential	50,261	15,185	13,551

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Identification of Priority Measures and Review and Revision of Technical Assumptions

The “bottom-up” approach taken by GDS to the analysis of Residential potential and the relative homogeneity of usage among households compared to C&I customers allows for a more disaggregated measure-specific review of generic savings assumptions and penetration rates. The magnitude of the Obtainable Potential savings for a given measure depends on a number of factors that determine the average annual kWh savings per measure and the number of measures that can potentially be installed in any year (annual penetration limit). The measures that account for a significant portion of the potential savings were assigned a high priority for technical review. The results of the technical review are discussed as follows by measure category. The effects of the revisions on potential savings are summarized in Exhibit IV-16.

Exhibit IV-16: Residential Obtainable Potential Revisions
(Annualized MWh)

Measure Category	Obtainable Potential	Adjusted Potential	2010 CORE Savings	2015 Market Potential
New Construction	1,766	2,823	1,121	2,823
Lighting	27,447	5,676	11,779	2,421
Refrigerator Removal	5,280	1,954	-	1,954
ES Appliances	5,437	2,228	1,841	2,202
HVAC	2,537	1,811	147	1,141
Domestic Hot Water	1,170	1,170	-	1,170
Weatherization	1,220	640	226	619
Other	5,404	2,170	71	1,223
Total Residential	50,261	18,471	15,185	13,551