

ICC Docket No. 09-0436/0437

**The Peoples Gas Light and Coke Company's Response to
Staff Data Requests DAB 1.01-1.08
Dated: February 24, 2010**

OFFICIAL FILE
09-0436
DOCKET NO. 09-0437
STAFF EXHIBIT No. 1

REQUEST NO. DAB 1.02:

9/14/10 Reporter J.W

Please provide all data used in TRC tests and the results of the TRC tests for all measures that "were screened for cost effectiveness using the calculator tool." Also, please provide the date that this cost-effectiveness screening occurred and the date that it was reported to either the Governance Board or Operating Committee.

RESPONSE:

The data used in the TRC cost-effectiveness tests are contained in the cost-effectiveness calculators (see PGL DAB 1.02 Attach 01, through PGL DAB 1.02 Attach 03) and work papers (PGL DAB 1.02 Attach 04 and PGL DAB 1.02 Attach 05). Attached also are the cost-effectiveness summary sheets (see PGL DAB 1.02 Attach 06 through PGL DAB 1.02 Attach 08), which summarize key data from the cost-effectiveness calculators. The results of the cost effectiveness analysis for measures included in the Chicagoland program are contained in the attached summary sheets. There are three versions of the calculator: PGL DAB 1.02 Attach 01 dated February 6, 2009 (which describes the cost-effectiveness calculations for the original program launch), PGL DAB 1.02 Attach 02 dated June 24, 2009 (describing cost-effectiveness resulting from program changes made on May 1) and PGL DAB 1.02 Attach 03 dated December 10, 2009 (based on program changes made on November 1, 2009). Information relating to the cost-effectiveness calculations was presented to the Operating Committee ("OC") or the Governance Board ("GB") on the following dates:

- September 16, 2008 GB Meeting. – Discussed program design, cost-effectiveness ("C/E") calculator and modeling
- October 28, 2008 OC Meeting – Discussed the C/E calculator and modeling
- December 9, 2008 – Discussed C/E calculator complete, measures in and out and incentive levels for original program
- December 15, 2008 GB Meeting – Discussed C/E calculator complete, measures in and out, incentive levels for initial program
- March 13, 2009 – OC conference call – discussed ICC Staff concerns with tankless water heaters, including cost, energy savings, incentive levels
- April 14, 2009 OC Meeting – Discussed May 1 changes to insulation, water heater rebates
- August 31, 2009 – OC Meeting -Discussed updating avoided costs for calculator per ICC staff's request
- September 9, 2009 OC meeting – Discussed progress re: updating avoided costs per staff's request
- September 21, 2009 GB Meeting – Discussed updated avoided costs and portfolio and measure-level cost-effectiveness results for Nov. 1 program changes.
- October 23, 2009 OC meeting – Discussed Nov. 1 Measure-Level changes
- October 26, 2009 GB Meeting – Discussed Nov. 1 Measure-Level changes

Chicagoland Natural Gas Savings Program
Cost Effectiveness Summary

12/10/2009

	# Units	Benefits	Admin Costs	Incentive Costs	Incremental Measure Costs	NTG Ratio		Measure Level Information								
						TRC	PAC/UC	Therm/Unit	kWh/Unit	kW/Unit	Incremental Measure Cost/Unit	Incentive Per Unit	Measure Life	TRC (no admin)	PAC/UC (No admin)	
Portfolio		\$ 8,881,747	\$ 1,153,128	\$ 2,503,774	\$ 4,481,974	1.58	2.43									
Retailer Program		\$ 6,029,858	\$ 630,264	\$ 1,490,374	\$ 2,686,736	1.82	2.84									
Furnace Program		\$ 2,851,889	\$ 522,864	\$ 1,013,400	\$ 1,795,238	1.23	1.86									
<u>Measure Level-(Note: cost effectiveness results do not include admin costs)</u>																
Ceiling Insulation R-38	1210	\$ 4,952,978		\$ 751,410	\$ 1,300,992	3.81	6.59	367.00	768	0	\$ 1,344.00	\$ 621	20	3.81	6.59	
Wall Insulation R-11	562	\$ 442,946		\$ 307,414	\$ 629,440	0.70	1.44	92.00	-103	0	\$ 1,400.00	\$ 547	20	0.70	1.44	
Storage Water Heater (Energy Star: EF >= 0.62)	370	\$ 42,305		\$ 39,650	\$ 20,720	2.04	1.07	19.00	0	0	\$ 70.00	\$ 107	13	2.04	1.07	
Tankless Water Heater (Energy Star: EF >= 0.82)	424	\$ 258,376		\$ 169,600	\$ 379,904	0.68	1.52	78.00	0	0	\$ 1,120.00	\$ 400	20	0.68	1.52	
Gas Condensing Water Heater (Energy Star: EF >= 0.80)	0	\$ -		\$ -	\$ -	#DIV/0!	#DIV/0!	74.00	0	0	\$ 685.00	\$ 400	15	-	-	
ENERGY STAR Clothes Washers (Energy Star: MEF >= 1.72 and WF <=8.0)	2223	\$ 333,253		\$ 222,300	\$ 355,680	0.94	1.50	13.00	67	0	\$ 200.00	\$ 100	11	0.94	1.04	
High Eff Furnace AFUE 92%	394	\$ 361,867		\$ 137,900	\$ 237,661	1.52	2.62	97.00	0	0	\$ 754.00	\$ 350	20	1.52	2.62	
High Eff Furnace AFUE 94%	1794	\$ 2,208,241		\$ 807,300	\$ 1,417,978	1.56	2.74	130.00	0	0	\$ 988.00	\$ 450	20	1.56	2.74	
High Eff Boiler Eff 85%	32	\$ 51,509		\$ 11,200	\$ 25,600	2.01	4.60	170.00	0	0	\$ 1,000.00	\$ 350	20	2.01	4.60	
High Eff Boiler Eff 95%	95	\$ 230,274		\$ 57,000	\$ 114,000	2.02	4.04	256.00	0	0	\$ 1,500.00	\$ 600	20	2.02	4.04	