

Table 1. Summary of Existing EDC Demand Side Response (DSR) Programs: Large C&I

EDC	Program	Description; Participation Levels (#Customers; MWh Enrolled); Event Responses (Participation Trends-Last Yr.)	Eligible Participants	Special Requirements	Tariff (Y/N)
PECO 2004	<p>-- DSM/Interruptible Programs</p> <p>-- Interruptible Rider-2 (IR-2)</p> <p>“PECO Smart Returns Program”</p>	<p>-- Active Load Management (ALM): PECO notifies customer to reduce load at certain times of production, transmission, or distribution limitations. Customer receives Interruptible Demand Credit (\$/kW per month). In 2006, PECO had 78 MW enrolled in ALM programs. ALM curtailment events were called on 8/2/06 (3:30 PM – 7:30 PM) and 8/3/06 (2:00 PM – 7:00 PM).</p> <p>-- Economic Curtailment: Customers are compensated for voluntarily curtailing energy usage during periods of high-energy prices, when requested by PECO. Customer receives “Curtailed Energy Credit” per contract. The curtailed energy credit is the amount paid to the customer for reducing usage. The credit is based on a percentage of the PJM Locational Marginal Price (LMP). The customer is notified of events via e-mail and internet addressable page. In 2006, PECO had 144 MW enrolled in Economic Curtailment. Economic Curtailment events were called on 8/1/06 (2:00 PM – 6:00 PM) and 8/2/06 (11:00 AM – 6:00 PM). Customer pays \$101.59 monthly charge.</p> <p>-- PJM Load Response Programs: PECO will act as a PJM Curtailment Service Provider (CSP) for customers who wish to participate in PJM’s Economic and Emergency Load Response programs. In 2006, PECO had 210 MW enrolled in the PJM Load Response programs.</p>	<p>-- Large C&I; General Service-- Rate HT, GS, Energy Efficiency Rider Customers</p>	<p>-- Interval Meter; Ability to curtail, at minimum, 100 kW of load or 5% of peak demand</p>	<p>--Yes</p> <p>-- Yes Effective May 15, 2003</p>
2007	2007 No Change	<p>2007 Changes</p> <p>PECO has 275 MW of total load under DSM/Interruptible Programs. The program is still available to new participants:</p> <p>In 2007, PECO Energy does not plan to implement additional programs. PECO will monitor the recommendations of the Working Group.</p>	2007 No Change	2007 No Change	2007 No Change

Table 2. Summary of Existing EDC Demand Side Response (DSR) Programs: Small Commercial/Residential

EDC	Program	Description; Participation Levels (#Customers; MWh Enrolled); Event Responses (Participation Trends-Last Yr.)	Eligible Participants	Special Requirements	Tariff (Y/N)
PECO 2004	-- "GoodWatts" Pilot (Summer 2003, 2004 and 2005)	-- Installed and tested Invensys Good Watts system on approximately 100 residential customers in summer of 2002. System allowed utility to shift air conditioning loads from peak to off peak periods and provided real time verifiable data on customer usage. Trial was extended through the summer of 2005. Curtailment tests focused on measuring maximum acceptable curtailment. Additional goals included testing realistic program curtailments including pre-cooling.	-- Small Commercial Residential	<i>Pilot participants</i> need to be digital Cable subscribers Central A/C	--No
	-- Rate RT-Residence Time of Use	-- Encourages customers to shift on-peak usage to off-peak periods by providing pricing differentials between on-peak & off-peak times (18 customers enrolled) -- On Peak hours 8 am to 8 pm M-Th., 8 am to 4 pm Fri; no Saturdays, Sundays or holidays; Off-peak hours-all other hours; -- fixed distribution charge \$10.35; <u>Variable distribution charge</u> Summer months June-Sept; 2.02 cents per off-peak kWh; 7.85 cents per on-peak kWh; Winter months Oct-May- 2.02 cents per kWh off-peak; 7.21 cents per kWh on-peak; <u>Comp Transition Charge-</u> summer 1.67 cents/kWh off-peak; 6.65 cents/kWh on-peak; winter 1.67 cents/kWh off-peak; 6.10 cents/kWh on peak; <u>Energy & Capacity-</u> Summer 4.22 cents/kWh off-peak; 11.79 cents/kWh on-peak. Winter 4.22 cents/kWh off-peak; 10.96 cents/kWh on-peak	-- Residential	-- Time of Use Meter	-- Yes
	- Rate GS General Service Night Service Rider	-- Encourages customers to shift on-peak demands to off-peak periods by basing a customer's billing demand to on-peak demands. (3,300 customers enrolled) -- <u>Fixed distribution charges</u> -\$6.74 single-phase w/o demand measurement; \$8.81 single-phase w/ demand measurement; \$23.82 polyphase <u>Variable distribution charges-</u> 3.65 cents/kWh first 80 hours; 1.72 cents/kWh next 80 hours, etc; <u>Comp Transition Charge-</u> 7.23 cents/kWh first 80 hrs; 3.41 cents/kWh next 80 hrs, etc; <u>Energy & capacity-</u> 12.77 cents/kWh first 80 hrs; 6.93 cents/kWh next 80 hrs use of billing demand; 5.02 cents/kWh additional use; 3.19 cents/kWh over 400 hrs use of billing demand & 2,000 kWh	-- Small C&I		-- Yes
2007	2007 Change -- GoodWatts Pilot Terminated	2007 Change -- In 2007, PECO Energy does not plan to implement additional programs. PECO will monitor the recommendations of the Working Group.	2007 Change	2007 Change	2007 Change

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Table 3. Summary of PECO DSR Program Evaluations: Current & Past Programs

Program	Summary of Evaluations: Current & Past Programs	Reports Available for Review? Yes/No
"GoodWatts" Pilot	While the promise of energy savings and peak shifting are attractive, the economics of this technology do not currently support full-scale implementation.	No

Table 4. Summary of PECO Meter Steps Needed to Make Hourly Pricing Available to ALL Its Customers

Current Status: Availability/Capabilities of Advanced Metering System Infrastructure	Overview of Infrastructure Requirements (Include every aspect from operations center, software to customer location) to Permit All Customers the Ability to Use Hourly Pricing	Costs Associated with Giving All Customers the Ability to Access Hourly Pricing	Future Plans: Approximate Deployment Timeframe
<p>-- Interval Meters 2004</p>	<p>1) Meter Costs. PECO's AMR system is already deployed. Interval reads for up to 60,000 residential customers are available as a service upgrade.</p> <p>Above 60,000 customers, contract negotiation with vendor is required. System upgrades to the network required based upon the number of customers on interval metering.</p> <p>2) IT Costs</p> <ul style="list-style-type: none"> a. Upgrades required to internal meter data storage systems required CIMS/CEDAR b. Billing system changes required to allow billing on interval data. c. Data warehousing/data storage enhancements required. d. EDI changes to handle billing for shopping customers. <p>3) Training</p> <ul style="list-style-type: none"> a. Call center. b. Energy Services Organization. <p>Note: Projected costs would increase if current systems could not be modified to handle interval data. Detailed requirements analysis may show that new CIMS system ID required.</p>	<p>Incremental per read charge.</p>	<p>6-12 months.</p>
<p>2007 No change</p>	<p>2007 No Change</p>	<p>2007 Change Price unknown.</p>	<p>2007 Change 1-3 years.</p>