

MEMORANDUM

TO: Members of the Iowa Energy Efficiency and Conservation Subcommittee
FROM: Hal Nelson
CC: Tom Peterson, Tom Looby, Marnie Stein
DATE: July 7, 2008
RE: Energy Efficiency Acquisition Briefing

The following graphs and table from recent energy efficiency resource assessments are meant to compliment the executive summary of the report by Quantec (2008). This data can potentially help inform the EEC subcommittee in its deliberations on energy efficiency policy options.

I. Best Practices in DSM Programs

Source: Quantec. (2008). *Assessment of Energy and Capacity Savings Potential in Iowa--Volume II*. Prepared for The Iowa Utility Association. February 15. p. I7-I10

Best Practice Results

This section compares 2006 DSM program results for residential and C&I customer sectors combined across the various locations. See Appendices for complete data and statistics.¹⁵

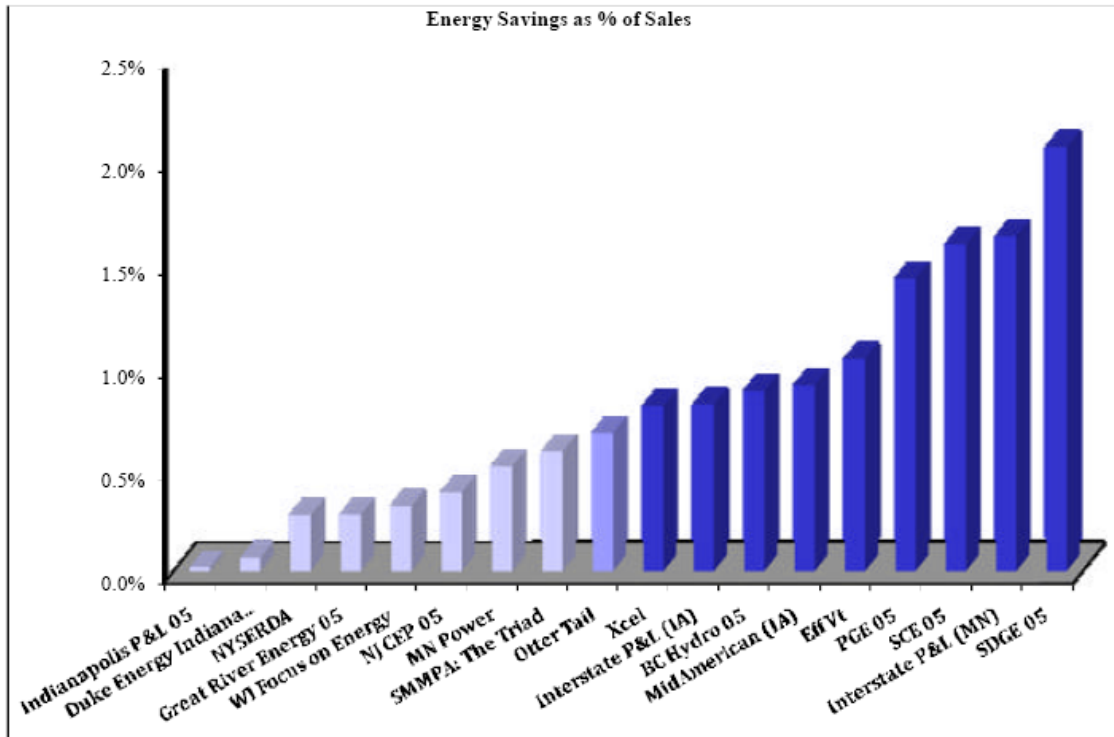
Overall DSM Results

Table I.3 shows the median result for DSM spending, savings, costs, and energy costs over all customer sectors for the reviewed organizations.

Table I.3. Medians for Overall Results

Spending as % of Revenue	Energy Savings as % of Sales	Demand Savings as % of Peak Demand	Cost of Energy \$/kWh	Cost of Savings	
				\$/kWh	\$/kW
1.8%	0.7%	0.9%	\$0.07	\$0.17	\$757

Figure I.3. DSM Energy Savings as % of Sales First Year



All of the seven organizations with above median DSM spending rates also achieved above median energy savings as a percentage of sales: SDG&E has the highest energy savings as a percentage of sales at about 2.1%, three times the median of 0.7%, while Xcel Energy, Interstate P&L (IA), BC Hydro, MidAmerican (IA) and Efficiency VT achieved savings rates of about 0.9% of sales; PG&E, SCE, and Interstate P&L (MN) achieved savings rates of about 1.5%.

Figure I.4. Demand Savings as % of Peak Demand

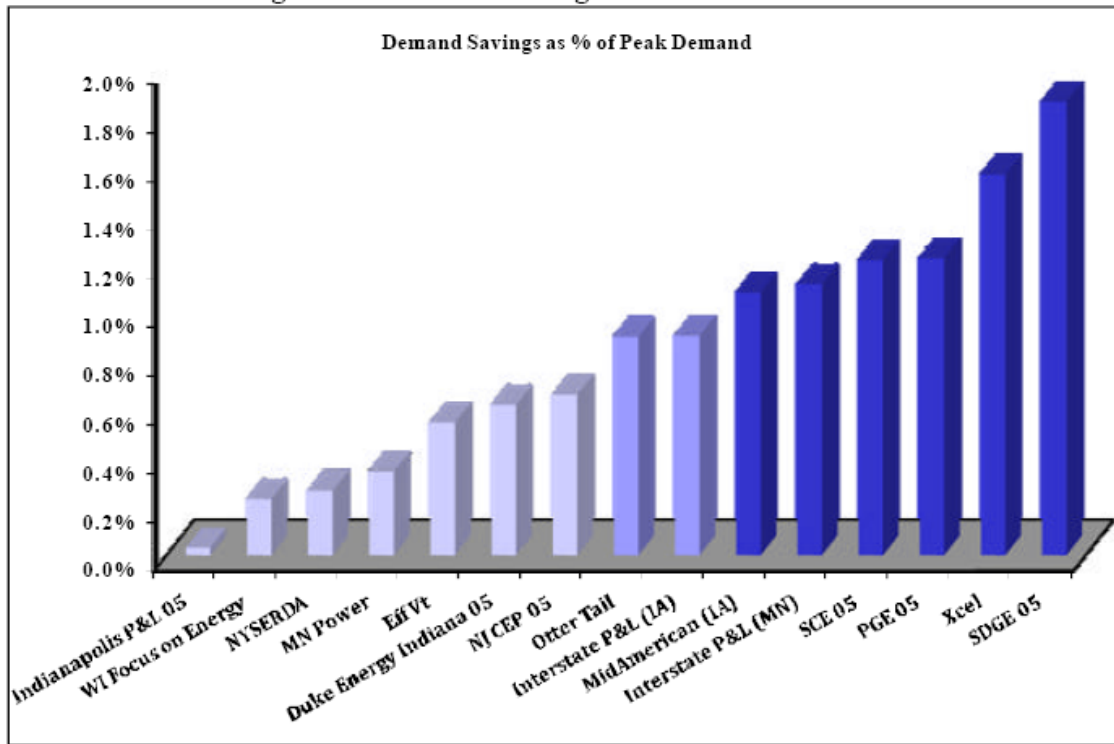


Figure I.4 shows DSM incremental demand savings as a percentage of annual peak demand. SDG&E has the highest demand savings as a percentage of peak demand, at 1.9%, about double the median of 0.9%. The other utilities with above median demand savings rate have above median rates of DSM spending: Xcel Energy conserved 1.6% of peak demand and PG&E, SCE, Interstate P&L (MN) and MidAmerican (IA) conserved about 1.1% of peak demand.