



VII. Alternative Baseload Generation Portfolios

mitigate new load growth, but does not expect to offset existing load. AMP-Ohio has hired Vermont Energy Investment Corp to design a DSM program and coordinate with its members in the implementation phase. VEIC clients include consumer advocates, environmental groups, government agencies, utilities and other energy efficiency administrators in more than 20 states.

A complete description of current and future AMP-Ohio DSM programs is available in the Analysis of DSM/Conservation Programs section of this report.

Cogeneration

AMP-Ohio has several ongoing cogeneration development projects in collaboration with the projects' industrial owners. The identity and details of these projects are currently confidential.

Green Credits

AMP-Ohio offers a green energy program for participants for an additional \$0.013/kWh. Fewer than 1% of member customers have signed on.

Potential Portfolio Alternatives to AMPGS

Figure 22 on the following page depicts the components of six alternative portfolios that could be constructed from assets available or potentially available to the City to fulfill its 13MW baseload need in 2013. Each portfolio totals 13.0MW of baseload equivalent capacity. Baseload equivalent capacity is equal to the amount of a given project's total capacity that can be considered baseload (85% capacity-equivalent).⁶⁸ Levelized costs are provided for each alternative in the portfolio descriptions that follow. The ranges of levelized cost for each portfolio are based on weighted technology costs using the High and Low technology scenarios as provided in Figure 1.

<u>Portfolio</u>	<u>Levelized Cost</u>	<u>Range</u>
Portfolio 1 – AMP-Ohio Projects	\$88.00/MWh	\$71.64/MWh - \$106.59/MWh
Portfolio 2 – Lorain Landfill	\$91.18/MWh	\$78.35/MWh - \$105.42/MWh
Portfolio 3 – Market Purchases	\$97.50/MWh	\$75.73/MWh - \$120.69/MWh
Portfolio 4 – Renewable Buildup	\$87.85/MWh	\$72.97/MWh - \$105.01/MWh
AMPGS (11.6MW) + DSM (1.4MW)	\$82.53/MWh	\$79.17/MWh - \$ 87.31/MWh
AMPGS (9MW) + DSM (1.4MW)	\$84.42/MWh	\$77.10/MWh - \$ 93.16/MWh

Note: Ranges Revised 2-13-08.

⁶⁸ For example, a 10MW project with a 50% capacity factor would receive 5.8MW of baseload equivalent capacity (10 x (50/85) = 5.8)