How$martKY™

Making energy efficiency work in the coalfields of Appalachia

Peter Hille, President
MACED
ARC-Designated Distressed Counties, Fiscal Year 2013

Prepared by the Appalachian Regional Commission

Data Sources:
Income data: U.S. Department of Commerce, Bureau of Economic Analysis, REIS, 2009
We lost the jobs before we lost the mines

Kentucky Coal Mining Production and Employment (1979-2006)

Sources: Kentucky Office of Energy Policy, Kentucky Coal Association, Energy Information Administration
Coal prices as of March 6, 2015
Dollars per short ton

- Central Appalachia    $53.06
- Illinois Basin        $40.32
- Powder River Basin    $11.55
Coal vs Natural Gas 1997-2012

Historical Spot Prices for Coal and Natural Gas (in MMBTU, yearly average)
The Six Rural Electric Co-Ops in How$martKY
For more information contact: www.maced.org
1. MACED lends money to the co-op

2. Co-op pays the contractor

3. Customer saves money on their bill

4. Customer pays charge on bill

5. Co-op repays MACED
Comparison Results - Single Family Home

Estimated Savings: $44
Actual Average Monthly Savings: $52
On-bill Financing Charge: $22
Weather Normalized Savings of: 31%
Program Stats

- Average cost per retrofit: $8000
- Average monthly charge: $40
- Average monthly savings: $52
- Average annual savings: 5500 kWh
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Cumulative Stats To Date

- Total number of completed retrofits to date: 194
- Total annual savings: $1,163,492 kWh
- Total investment in retrofits: $1,507,882
- Total savings over life of installed measures: $1,630,770
Time to approval of permanent tariff

First three co-ops: 11 months

Next two co-ops: 5 months

Most recent co-op: 3 months
10.8 kW Solar Electric System
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