

PHASE 1 OF LPSC STATEWIDE ENERGY EFFICIENCY PROGRAM

by

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The Energy Efficiency Quick Start Program, Phase 1 of the Louisiana Public Service Commission Statewide Energy Efficiency Program (LPSC Docket R-31106), started in November 2014. Participation by utilities is voluntary. Entergy Louisiana, Entergy Gulf States Louisiana, CLECO and SWEPCO are participating.

The Quick Start program introduces a set of energy efficiency programs that can be designed and implemented quickly and economically. Residential programs generally involve a walk-through assessment from a participating contractor to determine areas of energy efficiency improvement for the home. The customer receives cost offsets/rebates for the assessment and incentives for improvements made as a result of the walk-through assessment. This might be rebates to purchase energy efficient light bulbs, power strips and room air conditioning units,

Evaluation, Measurement and Verification (EM&V)¹ is one of the areas, which will be addressed in Phase I. The EM&V process evaluates the effectiveness of the program. Each utility will develop an EM&V Plan. Energy Savings can be determined using different methods but generally these programs will involve recording or estimating energy savings, verifying that energy saving measures are installed and operating, and finally reviewing the cost effectiveness of the program to determine whether the desired savings were achieved.

Energy savings are the difference in energy usage between the existing equipment and the new energy efficient equipment installed in its place. Verification takes place after the new equipment has been installed for some period of time, typically a year. EM&V is the framework of the program. It determines whether the investment in energy efficiency is getting the desired objectives. The EM&V approach must also be cost effective.

The Statewide Energy Efficiency Program is funded by all customers. As such, the program's phased approach is designed so that the infrastructure is developed in Phase I to support a long term program in Phase II. A separate rulemaking at the LPSC will be developed for Phase II. The idea is to develop an energy efficiency program that benefits all customers not just the customers who get the upgrades. Access to the full docket R-31106 is available on the LPSC website (<http://www.lpsc.org/>) under "Document Access."

¹ *What is EM&V?* The Department of Energy's Technical Assistance Program
http://www1.eere.energy.gov/wip/solutioncenter/pdfs/what_is_emv.pdf

Following is an example of a typical residential project from the Entergy program (http://entergylouisiana.com/energy_efficiency/). Under the Entergy program, small business customers will also have incentives for upgrades.

EXAMPLE OF A TYPICAL RESIDENTIAL PROJECT:

Incentives are available for air sealing, ceiling insulation, duct sealing, and AC or Heat Pump replacement. The incentives are provided in the form of an instant discount off the contractor's invoice, allowing you to shorten your payback time without having to pay the full cost up front. Be sure to look for your Entergy Solutions Louisiana discount on your invoice.

In addition to the incentives, this example customer could save \$550 on their Entergy bill.

Note: These incentives and savings amounts are based on a typical Louisiana home. Every home is different, so incentive and savings amounts will vary based on pre-existing home conditions, customer behavior and measures installed.

Measure	Incentive*
Energy Assessment	\$75
Air Sealing	\$234*
Ceiling Insulation	\$665
Duct Sealing	\$180*
A/C Replacement	\$250*
Total	\$1,404

*Example above is based on a 1,900-square-foot electrically heated home with R-4 ceiling insulation improved to R-30, 3.5-ton air conditioning system replaced with a 16 SEER unit, 90% reduction in duct leakage and a 40 percent reduction in house leakage.

SOURCE: Entergy (http://entergylouisiana.com/energy_efficiency/)