

(contd. from the page 2)

Energy Audit and Energy Management

or expanded energy-related products and services that may benefit the company. Opportunities fall into three categories, although not all will be relevant for all companies:

- Energy efficiency reduces the amount of energy used, reducing both cost and environmental impact.
- Energy supply management can help to control costs and assure reliability.
- Energy related products and services can help existing products to be more competitive in the marketplace or create new markets.

Step 4: Implementation

This fourth and final process step follows a classic management system model and involves determining and setting in place an organizational structure that will ensure that the program is integrated into the overall company management culture and that the new energy management goals are achieved. Regardless of the framework decided upon, certain management principles and tools must be in place to achieve significant results.

- These include:
- Leadership at the very top of the company with a clear commitment to results;
  - Clearly stated goals and measurable objectives at appropriate levels;
  - Clear accountability for results, whether in a single or multiple executives;
  - Sufficient resources to enable achievement of the objectives and goals;
  - Periodic review and updating of goals, objectives and resource commitments; and
  - Recognition of progress and reward for achievements.

ജീവിച്ചു; മരിച്ചു, ഇനി പറയൂ ചെയ്ത അത്ഭുത പ്രവൃത്തിയെന്ത്?

- വൈക്കം മുഹമ്മദ് ബഷീർ

Members are requested to give the articles to the Power Scene to the Editor or the Area Representatives, Articles from family members are most welcomed. Articles may be e-mailed to jinskd@yahoo.in

BOOK POST

ഉൾജ്ജ്വലം ശില്പമാക്കുക.

വൈകുണ്ഠം 6 മുതൽ

10 വരെ വൈദ്യുതി ഏറ്റവും

കരുതലോടെ ഉപയോഗിക്കുക.

To

Printed Matter

Stamp

Er. .... Engineer, K.S.E.B.

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PIN

If undelivered, kindly return to:  
KSEB Engineers' Association  
Engineers' House  
STG, Benedict Road, Ernakulam, Kochi-682 018

Chairman Speaks

Dear Engineers,

The much awaited pay revision and AE to AEE promotions are still in uncertainty. Let us hope the concerned authorities will act immediately.

The festival of Kerala ONAM as decided was celebrated on 4-9-11, about 90 persons participated in the programme which was well arranged.

The CEC was conducted at our unit on 17-9-11 at engineers House, a very good number of members attended,

Engineers day was celebrated on 15-9-11 along with unit meeting.

The technical tour is planned to CPRI Bangalore during first week of November

Dear engineers please note that there is a scope for improving the number of participants in each programme and all are requested to find it convenient to attend functions arranged by our unit.

M. E. Varghese



KSEB Engineers

Association

Ernakulam Unit

Wishes all its members

A Very Happy  
Bakrid

(contd. from the last issue)

# Energy Audit and Energy Management

Er. E. A. Riyas

AE, 220kV S/s, Kalamassery

## Strategic Energy Management Process

There are four steps in the overall process.

- Step 1: Initial Assessment
- Step 2: Design the Process
- Step 3: Evaluate Opportunities
- Step 4: Implementation

### Step 1: Initial Assessment

This first step involves a thorough, organization-wide assessment of the importance of energy to the company in relation to its overall needs, risks, goals, image and reputation, and of potential business opportunities through energy-related products or services. Properly implemented, the assessment can provide clear direction as to the potential inherent in a strategic approach to energy planning and management. The key question posed by the assessment process is “what are the business opportunities related to energy?” This framework provides the context for evaluating energy as more than simply a cost of operation. Companies that have embarked on such an evaluation have asked themselves very fundamental questions about how energy relates to:

- Potential business opportunities;
- Potential business risks; and
- The overall “positioning” of the company

The bottom line is that while cost is an increasingly important factor, companies evaluate the importance of energy from multiple perspectives. Other factors such as risk management, reputation, and even product line issues may carry weight as well.

### Step 2: Design the Process

The design and planning process begins with an assessment of a company’s actual energy needs versus “business as usual” practices and an investigation into the most promising solutions for meeting those needs. Taking this approach—asking the fundamental question of “how much energy do we need?” encourages thinking beyond the familiar and the comfortable and exploring possibilities for innovation. It is important that process design and planning consider all factors that could inhibit success, from corporate culture to appropriate scale to resources, funding and organization.

### Step 3: Evaluate Opportunities

This step is the “nuts and bolts” of the energy strategy and management planning process because it is where real opportunities can be realized. It is where the “real work gets done,” but because of its potential size and complexity, especially in larger, diversified and energy intensive businesses, if not well mapped out and systematically approached, significant opportunities may be missed, or momentum may be lost that will be difficult to regain. Essential to this third and crucial step in the process is a baseline that reflects the types, quantities, and costs of energy used in each significant component of the business. Ideally this will include facilities, operations, transportation, distribution, and in some cases even the energy required by the product itself, especially if that issue is increasing in importance in a business sector. Also, for certain companies, this will include an assessment of new

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## Onam Celebrations



## Engineers' Day Celebrations

