



President's Message

Energy efficiency must be economical

—by Raj G. Rao

At IMPA, we have made plans for the future of our power supply portfolio. Rather than building additional generating facilities or relying on purchased power, we have turned our focus to a different type of power supply resource: conservation and energy efficiency, as long as they are economical. It may seem contradictory to some that a wholesale power supplier is encouraging consumers to buy as little power as possible. The reasoning lies in our operations and philosophy. As a not-for-profit provider, serving member communities who are non-profits as well, our goal is to provide a reliable energy supply in the most economical way possible. Member utilities still have to keep the lights on, keep bucket trucks maintained and pay salaries for utility workers, and we can successfully help them do that with conservation and energy efficiency programs making up an integral part of our power supply portfolio. Our goal is to help consumers reduce their bills without compromising comfort or service.

We are seeking ways to make energy efficiency and conservation cost-effective from the very beginning. New programs may not be cheap, but by mitigating future costs associated with federal and state regu-

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Demonstration project makes strides at IMPA

This winter, the Indiana Municipal Power Agency installed solar panels on the roof of its headquarters located in Carmel, Ind. With 27 solar photovoltaic panels and the solar thermal panels online, the Agency is currently monitoring its generation in real time.

The solar photovoltaic panels have a capacity of up to 6.34 kilowatts (kW) of electricity. IMPA expects the solar thermal panels to provide enough hot water for the building's needs. The Agency will be adding renewable wind generation to its demonstration project in the near term.

For more information and to see how much electricity IMPA is generating, visit the renewable energy demonstration project on IMPA's website at www.impa.com.



Twenty-seven solar panels and two solar thermal panels line the roof of IMPA's building. The Agency invested in renewable energy projects to provide a demonstration for member communities. The project complements agreements in member communities that allow consumers to enter into net metering contracts.

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Project Watch



Overhead view of TC2

Trimble County Unit 2

The Trimble County Unit 2 project is approximately 97.6 percent complete and is still in the commissioning and startup phase. The boiler has been fired on fuel oil and the engineering, procurement and construction contractor, Bechtel Power, has been performing steam blows on sections of the main steam piping. With the project nearing completion, two major upcoming milestones are the first fire on coal and rolling the steam turbine.

Prairie State Energy Campus

The Prairie State Energy Campus is approximately 43 percent complete. Construction on the Unit 1 and Unit 2 boiler parts continues. The raw water pond is finished. Other work on the power block consists of Unit 1 steam turbine installation, raw water pond construction, and erection of the Unit 1 and Unit 2 cooling tower, air quality control system, and steam turbine generator building. At the Lively Grove Mine, the bottom development coal production continues with more cross-cuts being made. The permanent ventilation system supply and return areas have been reached by the mining equipment and are being developed. The coal stacking tube construction and interconnecting structure erection continues. Other work at the mine site includes finishing the interior of the warehouse and shop buildings, as well as material handling equipment erection that interconnects with the power plant. The mine is currently 54 percent complete. ☺



Prairie State

IMPA welcomes new executive committee and officers



Pictured: (Back row, from left to right) Marlow Smethurst, Ray Smith, David Reep, Jim Mardis; (Front row, from left to right) Chuck Everett, Mike Martin; (not pictured) Eileen Hall, Mayor Herb Arihood and Mayor Bill Graham

The IMPA Board of Commissioners voted in and welcomed new officers and executive committee members at its annual meeting this April. New executive committee members include Eileen Hall of Etna Green, Jim Mardis of Pittsboro and Mayor Herb Arihood of Rensselaer. Mayor Bill Graham was also elected to serve as Secretary of the Board. Existing and continuing officers include Chairman Mike Martin of Lebanon, Vice-Chairman Marlow Smethurst of Tell City, Treasurer David Reep of Tipton, and Committee Members Ray Smith of Gas City, Chuck Everett of Flora and Brent Slover of Linton. ☺

Street lights are the talk of energy efficiency

There are a variety of lighting technologies available on the market and in the research and development phases. Although there are several factors to consider when choosing the best technology for your community, understanding how the technology works is an important first step.

Metal Halide

An electric current passes through halide, mercury and argon gases in the bulb. As electrodes activate, the argon gas sparks, generating heat. The heat produces an arc that vaporizes mercury and halide gases, producing light.

High Pressure Sodium

An electrical current runs through an ionized gas, causing electrons to collide with gas and metal ions. The reaction is used to vaporize sodium. In an excited state, the ions release energy in the form of light.

Light Emitting Diodes (LED)

LEDs are tiny bulbs that fit in an electric circuit. Because they don't have a filament, they don't burn out or get hot. Electrons move across a semiconductor material to illuminate the bulb.

Induction

An electric current passes through a glass tube by inductance, which excites a gas inside. The light produced from the gas then excites a phosphorous coating in the inside of the tube. The phosphorous coating actually produces the light seen.

Light Emitting Plasma (LEP)

An LEP fixture consists of an emitter (including the bulb), radio-frequency driver and power supply. The Radio-frequency driver emits a radio signal into the electric field around the bulb. The energy created in the electric field vaporizes the contents inside the bulb to a plasma state, which generates light. ☺

President's Letter

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lation, as well as generating and operating, our efforts will lead to future cost savings.

The efforts of IMPA and its members alone will not be sufficient, however. We have called upon consumers to assist in the effort by taking control of their energy bills. Whether they install compact fluorescent light bulbs in their homes, weatherize windows or improve insulation, we plan to empower and encourage their efforts.

As we embark on a new frontier for our energy practices, IMPA looks forward to working with its member communities to make these plans a reality. With a united effort, we are sure to succeed in making conservation and energy efficiency a reliable resource for our energy future. ☺

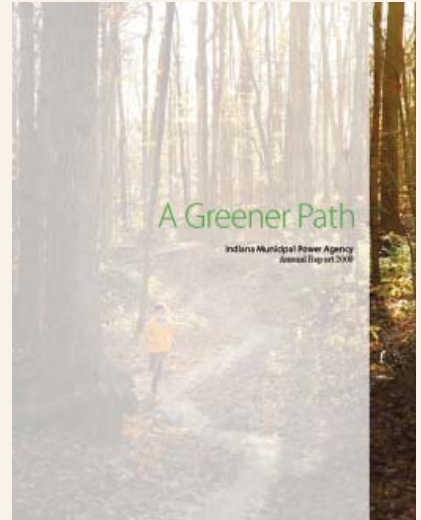
Senate amends statute to include stationary utility vehicles after tragic death

Almost two years after the death of a Frankfort City Light and Power lineman, the Indiana General Assembly amended the "Move Over" law to include stationary utility service vehicles. This law now states that when approaching a stationary utility vehicle, drivers must use due caution. This means moving over a lane, if possible, on four-lane highways and slowing down to a speed at least 10 miles per hour less than the posted speed limit.

Lineman Bryan Osbon was killed by an oncoming vehicle while servicing utility infrastructure along a state highway. At the time of his death, utility vehicles were not included in the law that requires automobile drivers to use caution when approaching stationary emergency vehicles on the road. Since Osbon's accident, his family worked with legislators and lobbied successfully to include utility service vehicles in the statute.

2009 IMPA Annual Report now available

The 2009 Indiana Municipal Power Agency Annual Report is now available. To view an online version of the report, visit http://www.impa.com/finance_reports.asp. To receive a copy in the mail, contact Niki Dick at 317-575-3371 or e-mail niki@impa.com.



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