

#### Some say offering different electricity rates based on market demand could be way for customers to cut costs

#### As demand grows, it's either conserve or build new plants

**DEMAND** 



### **POWER**

Appliance	Estimated monthly use (kWh)	Estimated monthly cost (
	600	36 TO THE PROPERTY OF
Pool pump	463	
Water heater (one adult)	400 + 162/addri person	28 + 11.34/add1 person
Air Conditioner (8000 BTUH room unit)	500	
Dehumiditier	290	20.90
22-24 cu. ft. frostiese fridge/freazer		
Souns or hot tub (Conditioned area)	250	17.50
15-19 cu. ft. froefiess fridge/freazer	200	
Oxygen tank (concentration)	227	15.09
Lighting	150	10.50

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Appliance	Estimated monthly use (kWh) Estimated monthly seet (\$)		you
Sauna or hot rup outdoor	600	26 CONTRACTOR STATE	as th
Pool pump	463	32.41	said.
Plater heater (one adult)	400 + 162/addri person	28 + 11.34/sd31 person	
Air Conditioner (8000 BTUH room unit)			at so
Dehumiditier	290	20.90	YOU.
22-D4 cu. ft. frostiess fridge/freazer			ures
	250	17.50	off."
15-19 cu. h. frostess fridge/freazer	250		
Daygen tank (concentrator)	227	15.09	In

# Power transmission complex, costly

Getting the electricity where it is in the highest demand a matter of type of plants, lines available.

Second of a two-part series.

By RORY SWEENERY

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HAWLEY - Perhaps the crowd for

the open house at PPL Corp.'s Lake

Wallenspausek hydroelectric dam was

an indication. There were old and

young people alike, but few in be
tween, suggesting most folks had

found other things to do at this lakeside town on an overcast summer day.

That illustrates the public's attitude

on electricity production. Consumers

want it here on demand as cheaply as

possible, but only those inquisitive few

care about where it comes from or how

it is transmitted.

possible, but only those inquisitive few care about where it comes from or how it is transmitted.

Consumers, attuned or indifferent, will get bigger electric bills in 2010 when prices in Pennsylvania 2010 when prices in Pennsylvania when the proper electric bills in Pennsylvania bump perhaps 35 www.timesleader or got to provide Pta Ptavert companies as already new that precisive during the cap years that increased during the cap years that increased during the cap years and provider Pta Electric Utilities have request and receive increases to transmission and distribution rates. This year alone, local provider Pta Electric Utilities have requested increases of about 10 percent About half of that has already been granted by the state Public Utilities Commission.

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## Region focus of energy production

→ NEWS ←

Wind power, bio-fuel, hydroelectric power and geothermal energy are being tried locally.

The most noticeable argument for such a claim is wind energy, led by the lall, white turbines perpetually spining on Bald Mountain. Up there on a cool fall day, the 12 turbines BAR CREEK TWP.—It's been deades since Northeastern Pennsylvania laid claim to being the world's energy laby the dear blue sky, seem laby the claim to being the world's energy laby the claim to being the worlds energy laby the claim to being the world's energy laby the parks manager. Though wind parks draw criticism, they are the fastest-growing energy laby and they are the fastest-growing energy laby and the continuation of the Electric Power Genera

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ENERGY

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Demand surges

Demand changes constantly, treating spikes that the industry must handle or risk blackouts. It has be able to start."

Electricity is sold by generating companies to always generating companies in an open mains in an open mains, and accepts the dubt's has created a two-tiered gocompanies. The brower plants that create wast amounts of power. The plants are slow to turn on, but run almost continually, forming the back once of the supply.

The second tier includes small, often automated "peaking" plants that create suggested. The second tier includes small, often automated "peaking" plants that usually run on expensive field, but a feffect.

The rate caps, which began in John but run almost continually, forming the back once of the supply.

The second tier includes small, often automated "peaking" plant state that create values and the supply.

The second tier includes small, often automated "peaking" plants that usually run on expensive field, but a feffect.

Alex December Trues LAGEOF and the Bear Creek wind park.

Renewable energy accounts for condy 3 percent of total generation the state, according to Doug Biden of the Electric Power Generation of Dough Biden of the State.

Alex December Trues LAGEOF and the state, according to build; a transmission line than to build a transmissi

### Unlikely sources provide clean power





A similar project at two Lancaster County landfills was named a 2006 Project of the Year' by the U.S. Environmental Protection Agency's Landfill Methane Outreach Program.

That project buys the gas from the landfills to power a 3.2-megawatt generator, supplying power for several thousand homes, and pipes waste heat to Turkey Hill Dairy for pasteurization and other operations, offsetting about 80 percent of the diesel fuel the well-known diary previously used.

However, problems do exist. Landfill gas isn't pure methane and contains low levels of toxic chemicals, notes the Energy Justice Network, an environmentally safe energy advocacy group. When burned, those chemicals can combine with hydrocarbons into even more toxic chemicals, which are then released into the environment, the group contends. Its impurity also means it doesn't burn as cleanly as natural gas, which is mostly methane.

### WIND

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