



## Problem of the Week

### Problem B

#### These Rates are Shocking

Most provinces take into consideration the time of day when they charge for electricity usage. The rates they charge are often referred to as Time-Of-Use (TOU) rates. Using the sample TOU rates in the table below, answer the questions that follow.

TOU Price Period	November 1 - April 30 Time of Day	May 1 - October 31 Time of Day	TOU Rate (¢ per kWh)
Off-Peak Hours	Weekdays 7 p.m. - 7 a.m., anytime on weekends	Weekdays 7 p.m. - 7 a.m., anytime on weekends	7.4
Mid-Peak Hours	Weekdays 11 a.m. - 5 p.m.	Weekdays 7 a.m. - 11 a.m. and 5 p.m. - 7 p.m.	10.2
On-Peak Hours	Weekdays 7 a.m. - 11 a.m. and 5 p.m. - 7 p.m.	Weekdays 11 a.m. - 5 p.m.	15.1

- Garret's family used 50 kWh on a Saturday afternoon. What would be the charge for those 50 kWh?
- On November 10, when would be the best time of day to run your clothes dryer?
- When should you avoid using your clothes dryer in the summer?
- What might be a better way (environmentally and financially) to dry your clothes in the summer?
- Ramal's family used 1180 kWh hours of electricity in one month.
  - What is the maximum amount of money (in dollars) they could have paid for electricity that month?
  - What is the minimum amount of money (in dollars) they could have paid for electricity that month?