

Task prepared for the project “Using Technology to Facilitate Connections between Literacy and the Broader Community” (2014)

Task Title: Tips to Reduce Your Energy Bill

# OALCF Cover Sheet – Practitioner Copy

**Learner Name:**

**Date Started (m/d/yyyy):**

**Date Completed (m/d/yyyy):**

**Successful Completion:**  Yes No

|  |  |  |
| --- | --- | --- |
| **Goal Path:** | Employment | Apprenticeship |
| Secondary School | Post Secondary | Independence √ |

**Task Description:** In this activity, the learner will review a document from Waterloo North Hydro Energy Conservation Handbook about ways to reduce their energy bill.

**Competency:** A: Find and Use Information, B: Communicate Ideas and Information, C: Understand and Use Numbers

**Task Groups:** A1: Read continuous text, A2: Interpret documents, B2: Write continuous text, C1: Manage money, C3: Use measures

**Level Indicators:**

* A1.1: Read brief texts to locate specific details
* A2.2: Interpret simple documents to locate and connect information
* B2.1: Write brief texts to convey simple ideas and factual information
* C1.1: Compare costs and make simple calculations
* C3.1: Measure and make simple comparisons and calculations

**Performance Descriptors:** See chart on the last page

**Materials Required:**

* A copy of the task-based activity
* A copy of the document from [Waterloo North Hydro Energy Conservation Handbook](https://www.wnhydro.com/en/conservation/resources/Tips%20Tools%20and%20Links/WD008-Energy-Conservation-Book_Waterloo.pdf)

# Learner Information and Work Sheet 1

Hydro is expensive and it is always helpful to learn ways to save costs. Look at the document Top Ten Fastest, Easiest, and Best Ever Money-Saving Tips from Waterloo North Hydro Energy Conservation Handbook.

**Task 1: List five ways to lower the energy costs in your home.**

a)

b)

c)

d)

e)

**Task 2: Give 3 to 4 reasons why CFL and LED light bulbs are better than incandescent light bulbs.**

a)

b)

c)

d)

**Task 3: If an incandescent light bulb lasts for 6 months or half a year, how long in months and years would a CFL light bulb last?**

Answer:

# Work Sheet 2

**Task 4: What is the Energy Star label?**

Answer:

**Task 5:** **If you only use cold water to wash your laundry, how much money could you save in a year?**

Answer:

**Task 6: How do you reduce drafts around windows, doors, vents, and electrical outlets?**

Answer:

**Task 7: What can be used instead of an air conditioner to cool a room and reduce costs?**

Answer:

**Task 8: If you replace your old refrigerator with an Energy Star fridge, how much would you save on your energy bill in a year?**

Answer:

# Answers

Refer to the document Top Ten Fastest, Easiest and Best Ever Money-Savings Tips, if required. The answers do not have to be in complete sentences, or exactly as written below.

**Task 1: Choose any five of the following:**

* Use CFL or LED bulbs
* Install a programmable thermostat
* Replace your old refrigerator or freezer
* Get rid of your second refrigerator
* Wash your laundry in cold water
* Look for the Energy Star label
* Eliminate drafts in your home
* Install insulation
* Use motion sensor switches and timers
* Rely on your fans
* Use LED seasonal lighting

**Task 2: Choose 3 or 4 of the following:**

* Save three times their cost
* They last 10 times longer
* Use up to 75% less electricity
* You can replace a 100W light bulb with an 18W-23W CFL and get the same amount of light

**Task 3:** 60 months or 5 years

**Task 4:** A symbol that identifies energy efficient products

**Task 5:** $168.00

**Task 6:** Caulk, weather-strip, and install insulated plates

**Task 7:** Fans (ceiling and portable)

**Task 8:** $120.00

# Performance Descriptors 1

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| A1.1 | Reads short texts to locate a single piece of information |  |  |  |
| A1.1 | Decodes words and makes meaning of sentences in a single text |  |  |  |
| A1.1 | Follows simple, straightforward instructional texts |  |  |  |
| A1.1 | Identifies the main idea in brief texts |  |  |  |
| A2.2 | Locates information in simple graphs and maps |  |  |  |
| A2.2 | Uses layout to locate information |  |  |  |
| A2.2 | Makes connections between parts of documents |  |  |  |
| A2.2 | Makes low-level inferences |  |  |  |
| B2.1 | Writes simple texts to request, remind, or inform |  |  |  |
| B2.1 | Conveys simple ideas and factual information |  |  |  |
| C1.1 | Adds, subtracts, multiplies, and divides whole numbers and decimals |  |  |  |
| C1.1 | Interprets and represents costs using monetary symbols and decimals |  |  |  |

Performance Descriptors 2

| Levels | Performance Descriptors | Needs Work | Completes task with support from practitioner | Completes task independently |
| --- | --- | --- | --- | --- |
| C3.1 | Recognizes values in number and word format |  |  |  |

This task: Was successfully completed Needs to be tried again

Learner Comments:

Instructor (print): Learner (print):

# URLs

Waterloo North Hydro Energy Conservation Handbook:

* <https://www.wnhydro.com/en/conservation/resources/Tips%20Tools%20and%20Links/WD008-Energy-Conservation-Book_Waterloo.pdf>