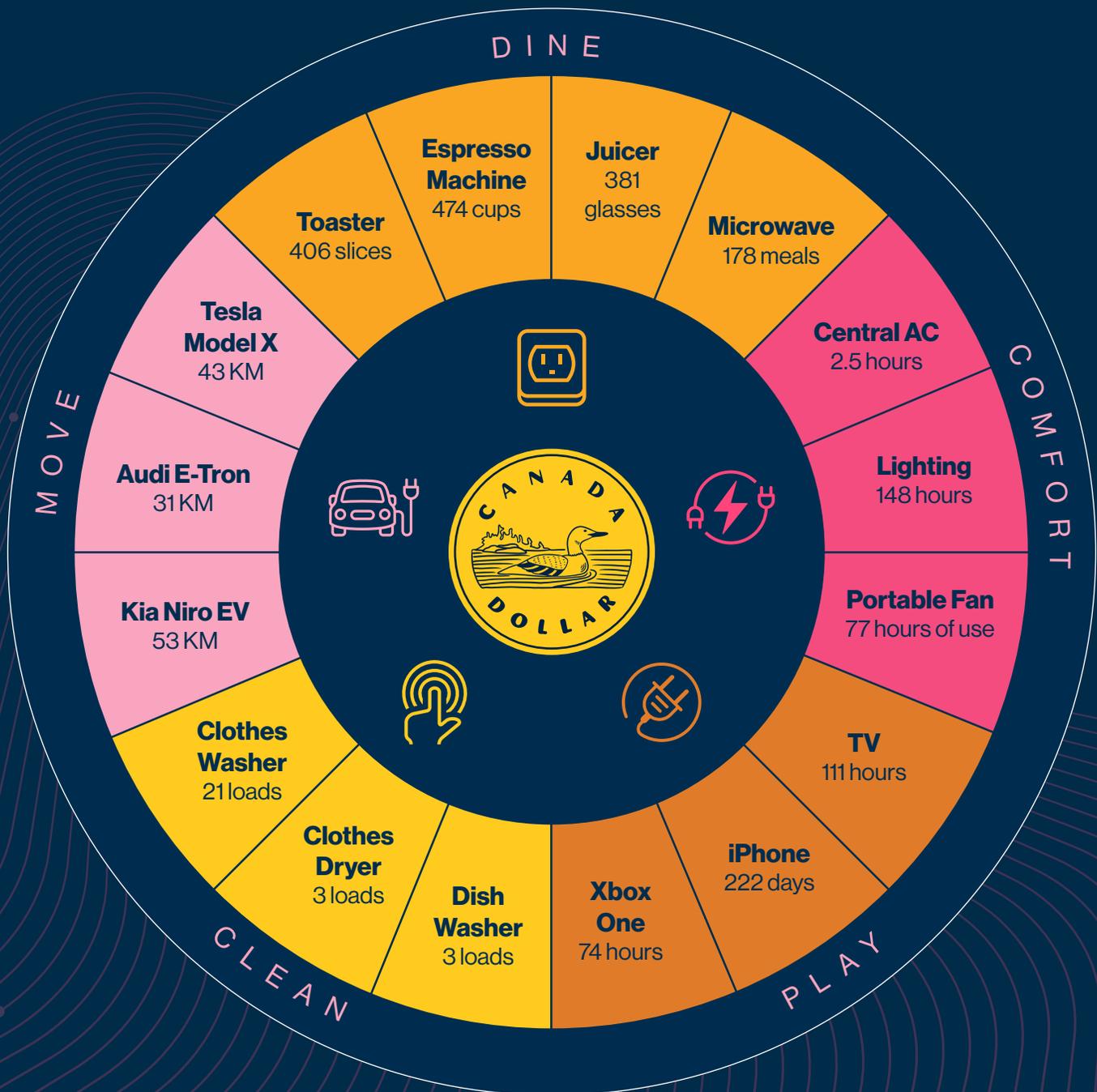


# One loonie

of electricity gets me:



# How we calculated our **One loonie of electricity gets me**

The examples in this infographic illustrate what would be experienced by a typical consumer paying 11.25 cents/kWh<sup>1</sup>. They provide an indication of what one loonie of electricity would buy for a typical consumer in Canada.



## **Around 43KM in a Tesla Model X**

According to enel X EV Charging, the Tesla Model X has a battery capacity of 100kWh, and a distance per charge of 490 km (305 miles). As a loonie is enough to charge the battery to 8.9 kWh, the car can go about 43 km (27 miles) for one dollar. Actual distance travelled depends on age of battery and driving conditions.

## **Around 31KM in an Audi E-Tron**

According to enel X EV Charging, the Audi E-Tron has a battery capacity of 95 kWh, and a distance per charge of 328 km (204 miles). As a loonie is enough to charge the battery to 8.9 kWh, the car can go about 31 km (19 miles) for one dollar. Actual distance travelled depends on age of battery and driving conditions.

## **Around 53 KM in a Kia Niro EV**

According to enel X EV Charging, the Kia Niro EV has a battery capacity of 64kWh, and a distance per charge of km (239 miles). As a loonie is enough to charge the battery to 8.9 kWh, the car can go about 53 km (33 miles) for one dollar. Actual distance travelled depends on age of battery and driving conditions.



## **2.5 hours using Central AC**

Using a 24000 BTU, 3600-watt Central AC unit, you can heat or cool an area up to 1500 square feet (139 square meters) for 2.5 hours for one loonie. Actual usage will depend on the age of the appliance.

## **148 hours of incandescent lighting or 1046 hours of LED lighting**

Using a 60-watt incandescent bulb, or an 8.5-watt LED bulb (the equivalent lighting of a 60-watt incandescent bulb).

## **77 hours using a portable fan**

Using a 115-watt fan.



## **406 slices of toast**

Assuming a 1500-watt 4-slice toaster takes 3.5 minutes to toast 4 slices of bread, the toaster will run for 5.9 hours before it costs one loonie, providing 406 slices of toast.

## **474 cups of espresso**

Assuming a 1500-watt espresso machine takes 45 seconds to make a cup of espresso, you will get 474 cups for one loonie.

## **381 glasses of fresh juice**

Assuming a 400-watt Juicer takes 3.5 minutes to make a glass of juice, you will get 381 glasses for one loonie.

## **178 meals warmed in the microwave**

Assuming a 1000-watt microwave oven takes 3 minutes to reheat a meal, you can reheat 178 meals for one loonie.



## **21 loads in an energy star clothes washer or 11 loads in a traditional washer**

Assuming it takes the clothes in a 500-watt energy star washer, or a 1000-watt traditional washer, 50 minutes to complete in a normal wash cycle. Actual cost will vary with the machine capacity, water usage, and chosen wash cycle.

## **3 loads of clothes dried**

Assuming it takes a 5000-watt dryer 35 minutes to dry a medium load of clothes. Actual cost will vary with the machine capacity, energy efficiency, and the drying cycle chosen.

## **3 dish washer loads**

Assuming a 1300-watt dishwasher runs for 2 hours for each load. Actual cost will vary with the machine capacity, energy efficiency, and the wash cycle chosen.



## **111 hours of TV**

We assumed the use of a 4K (2160p) Television, which uses an average of 80 watts while on. TV wattage varies significantly with size and resolution. See the eco cost savings article for more information: <https://ecocostsavings.com/tv-wattage/>

## **222 days of iPhone charging, or 356 days of Samsung charging**

We have assumed that we charge our phones once a day. The iPhone 12 Fast Charger uses 20 watts (meaning 444 hours for one loonie) and takes 2 hours to fully charge the phone, equating 222 days of charging your phone. The Samsung Galaxy S20 charger uses 25 watts, equating 356 hours of charging for one loonie, but takes only 1 hour to fully charge the phone. This means you get 356 days of charging.

## **74 hours of playing Xbox One**

The Xbox One uses 120 watts, giving you 74 hours of entertainment for one loonie.

<sup>1</sup>Data sourced from: Burlington Hydro.com/PowertoConserve; Ecocostsavings.com; Energyusecalculator.com; Evcharging.enelx; World Energy Statistics 2020, IEA and Open Data Portal, World Bank



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