



Switch
Simplifying the switch to a greener future



Homeowner Information Session



Agenda

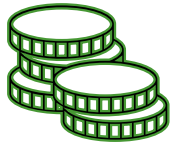
1. Introductions – 5 Minutes
2. Presentation – 25 Minutes
3. Q+A – Remaining Time





Nick Walker
Energy Management Engineer
City of Charlottetown





Savings



Time



Mortgage



Health



A landscape photograph featuring several wind turbines on a grassy cliff overlooking the ocean. The sky is overcast and grey. The foreground is filled with tall, green grass. In the distance, a small rock formation is visible in the water.

Energy and Heating Costs?

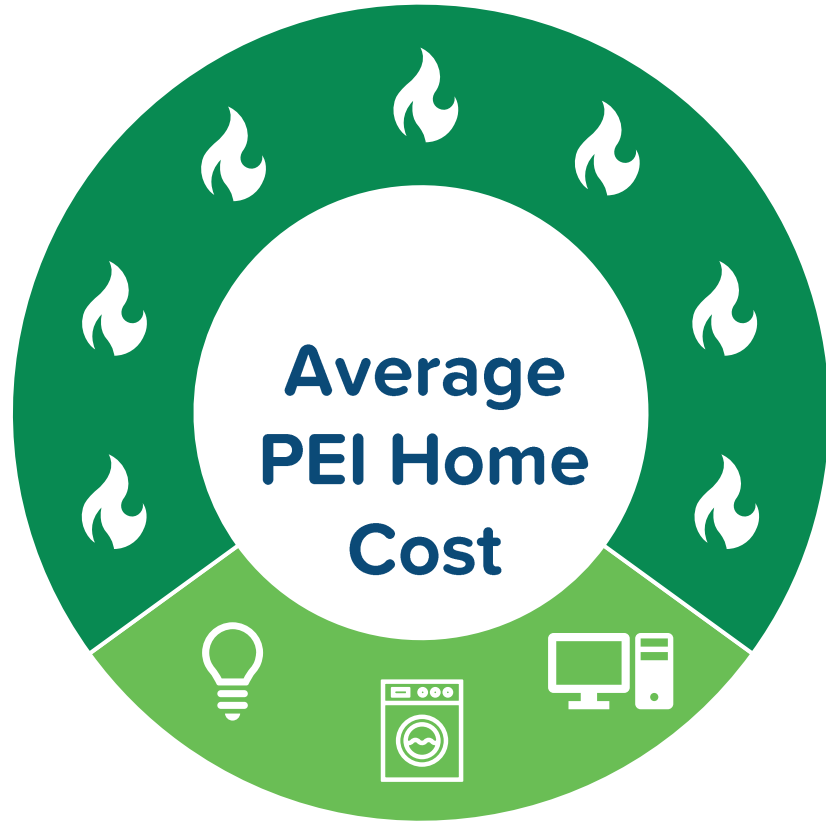


GOOD NEWS

You can make a big impact at home and in your community through home energy upgrades.

70%

Heating



30%

Electricity

ENERGY



ENVIRONMENT



ECONOMY





Switch

Simplifying the switch to a greener future

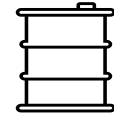
- **Reduce your energy consumption**
- **Save money every month**
- **Increase your home's safety & comfort**



Retrofit Benefits – An Example



Before



2148 L/year



7333 kWh/year



\$5,469.28 /year



7.9 tonnes GHG



Retrofit Benefits – An Example



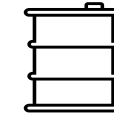
The Switch



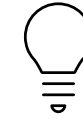
Retrofit Benefits – An Example



After



951 L/year
~~2148 L/year~~



12,968.5 kWh/year
~~7333 kWh/year~~



\$3,976.96/year
~~\$5,469.28 /year~~



5.2 tonnes GHG
~~7.9 tonnes GHG~~



Retrofit Benefits – An Example



Results



\$1,492.32/year



1.7 tonnes GHG

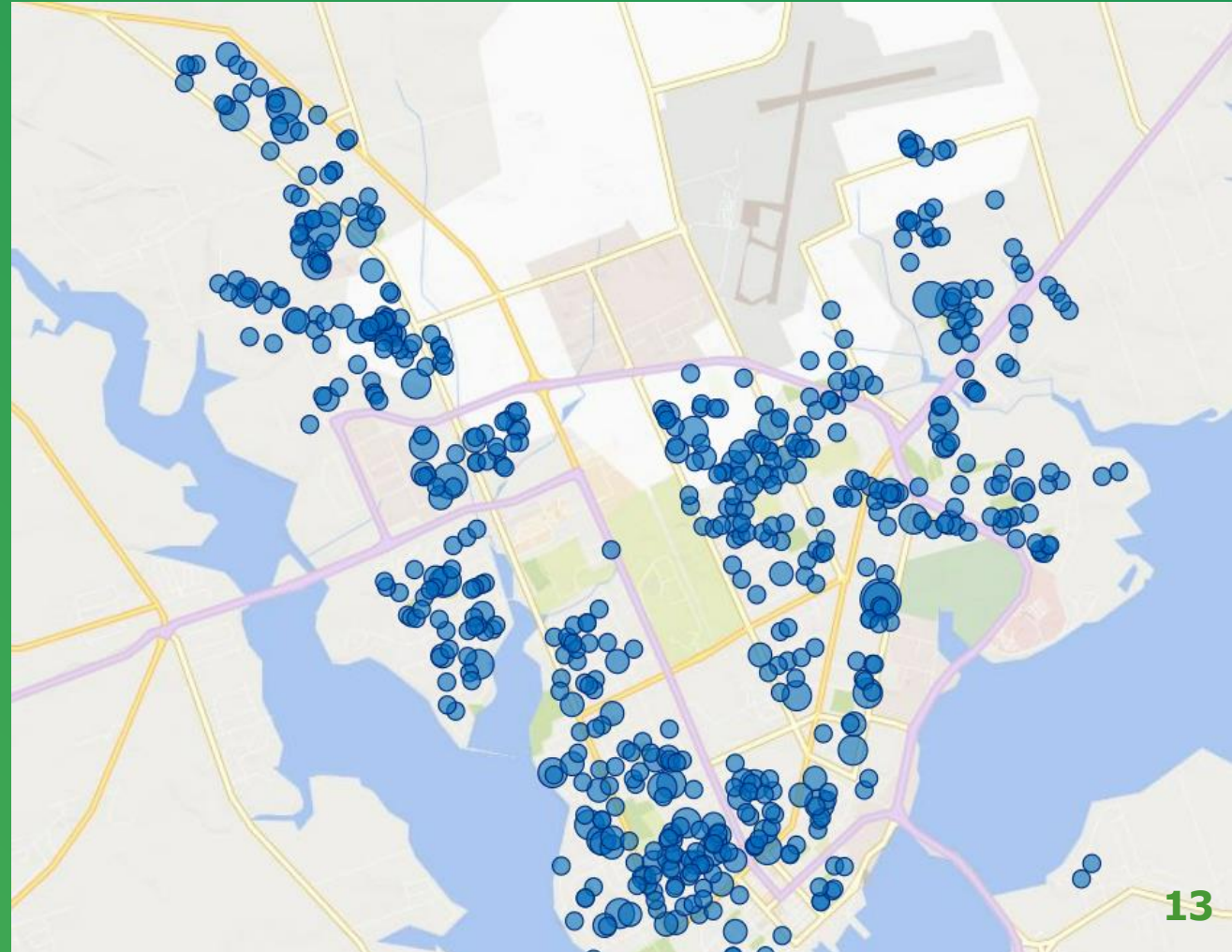


26 GJ saved/year



Switch Charlottetown by the Numbers

- Launched: July 2021
- Participants: 800
- Projects Completed: 280
- Over \$6 Million in Clean Energy Financing





Community Impact

- \$2.7 Million in Energy Bill Savings
- 70+ Local Contractors
- Significant GHG Reductions



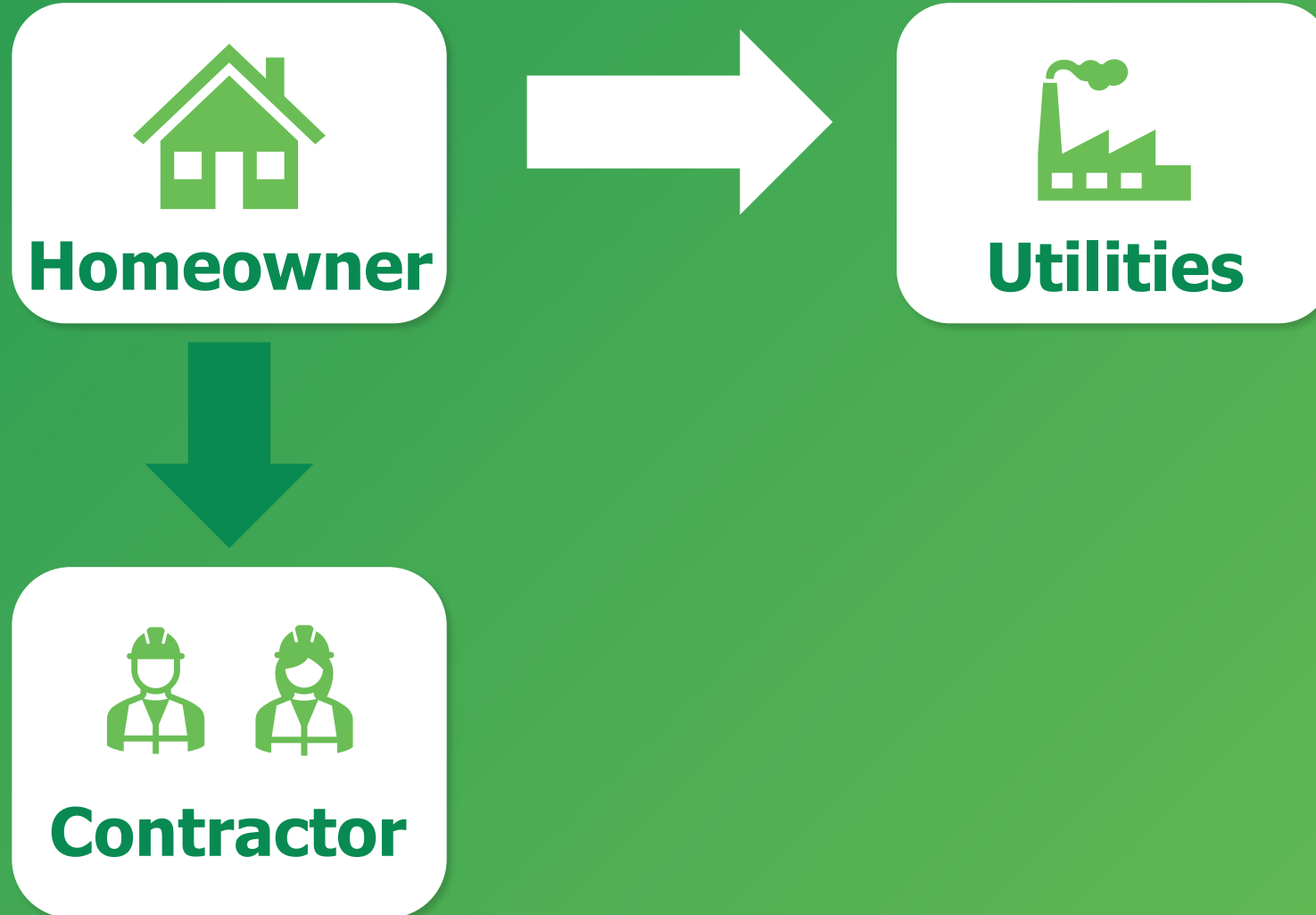


Regular Home Energy Upgrade



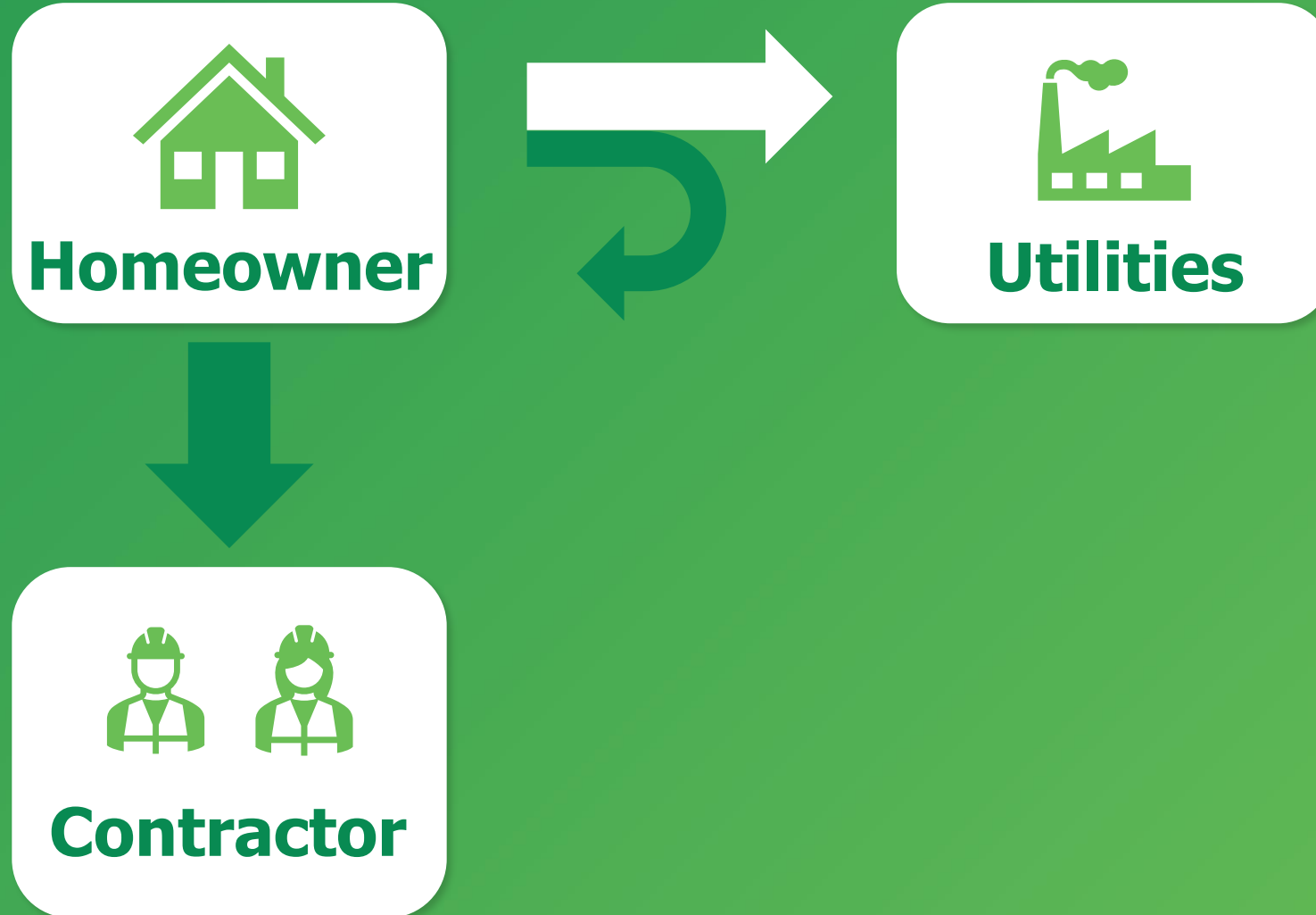


Regular Home Energy Upgrade





Regular Home Energy Upgrade





Regular Home Energy Upgrade



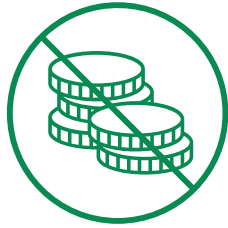
How do I pay for this?

Where do I start?

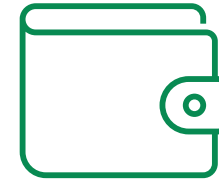
Do I get rebates?



Switch Loans and Services



No Money Down



0% Financing



Energy Concierge Services



Energy Concierge Services

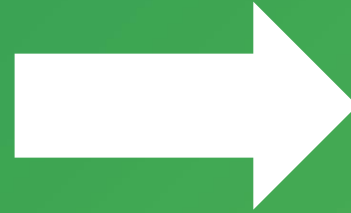
Here to be your Retrofit Guide!

- Provides access to rebate eligible contractor contacts
- Arranges Free Home Energy Assessments (HEA)
- Reviews your quotes and HEA to support you as you decide on your projects
- Simplifies paperwork!
- Provide support through Rebate Applications
- Able to organize accessible accommodations as needed
- Available through phone or email!



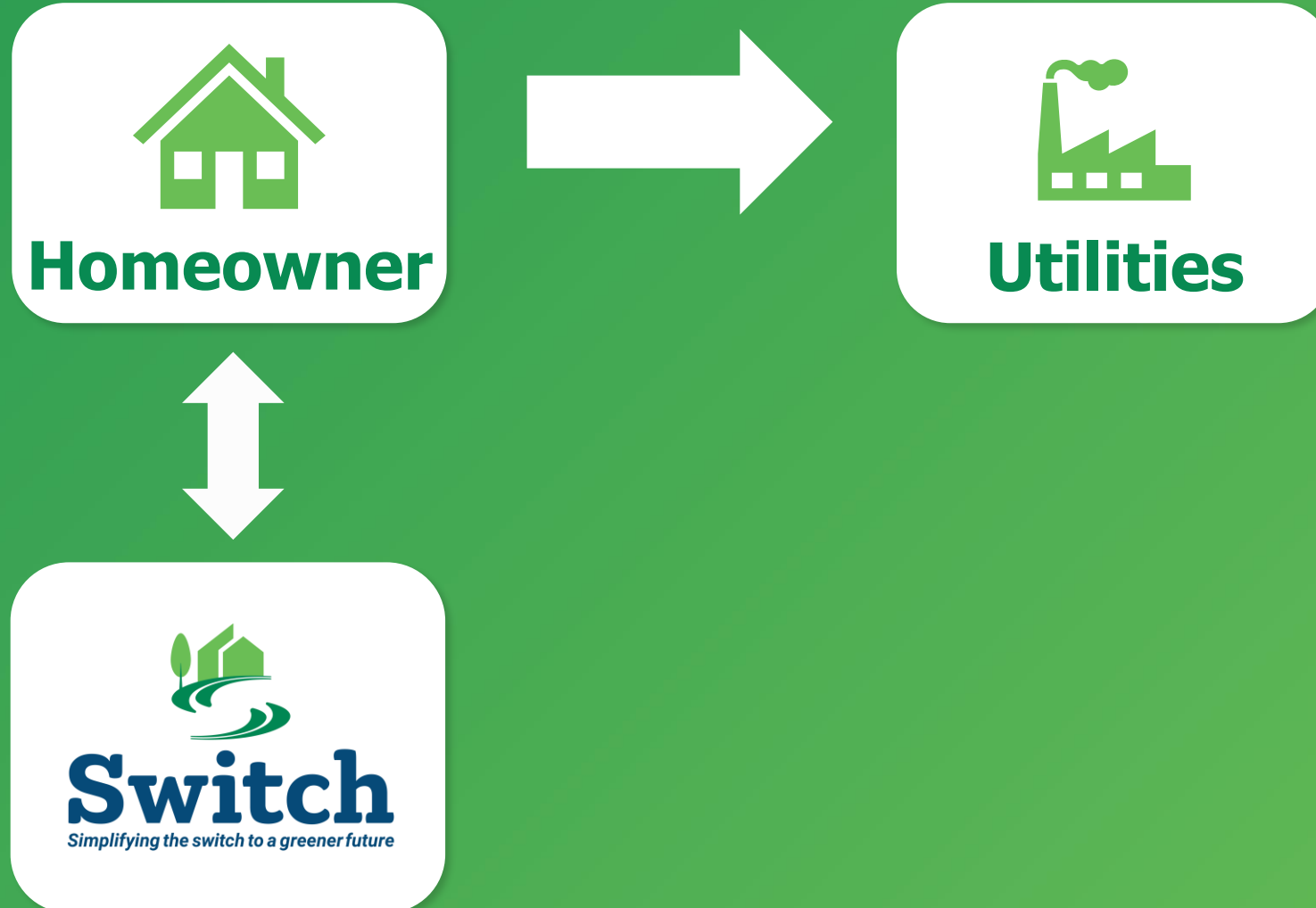


Switch Home Energy Upgrade



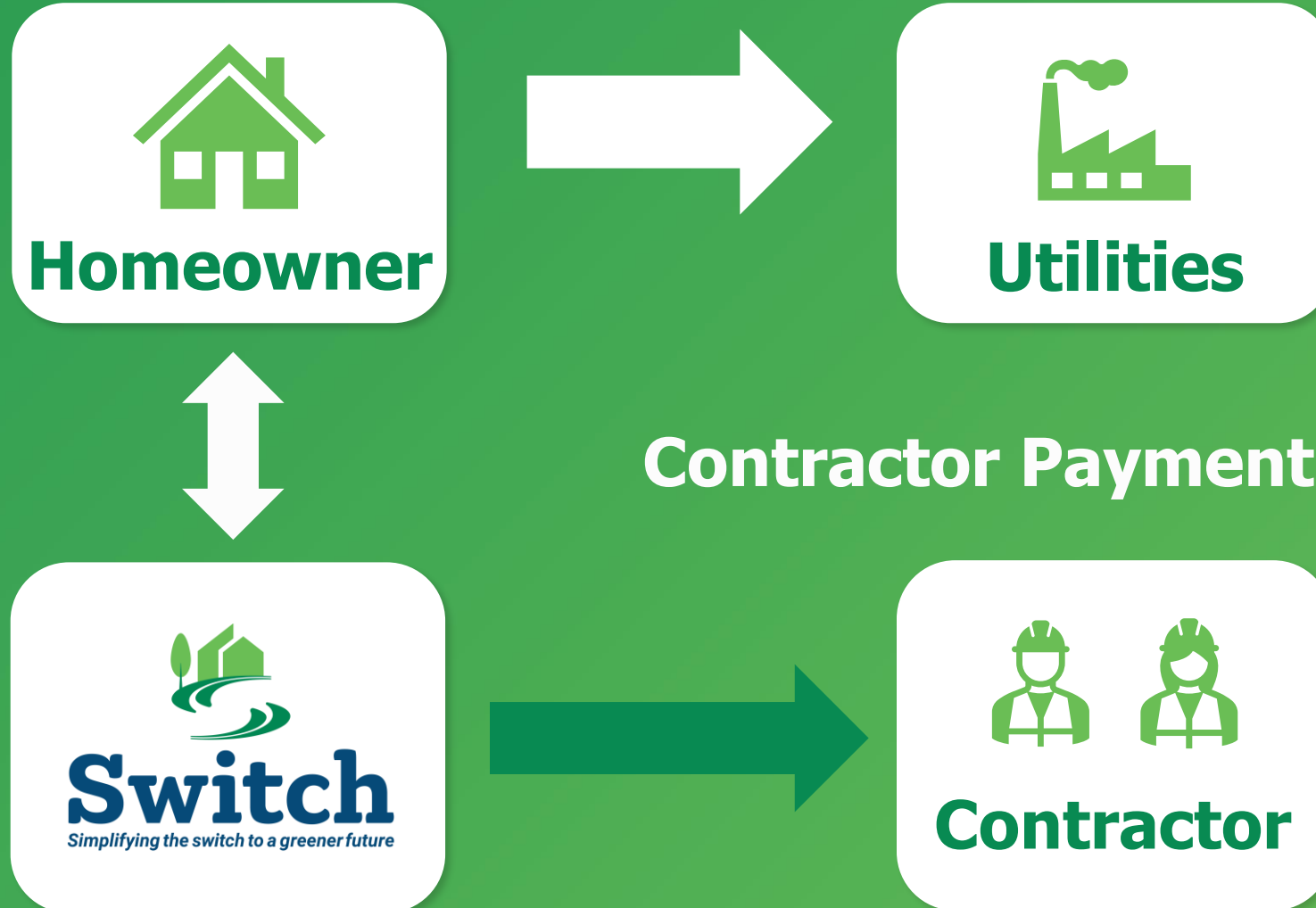


Switch Home Energy Upgrade



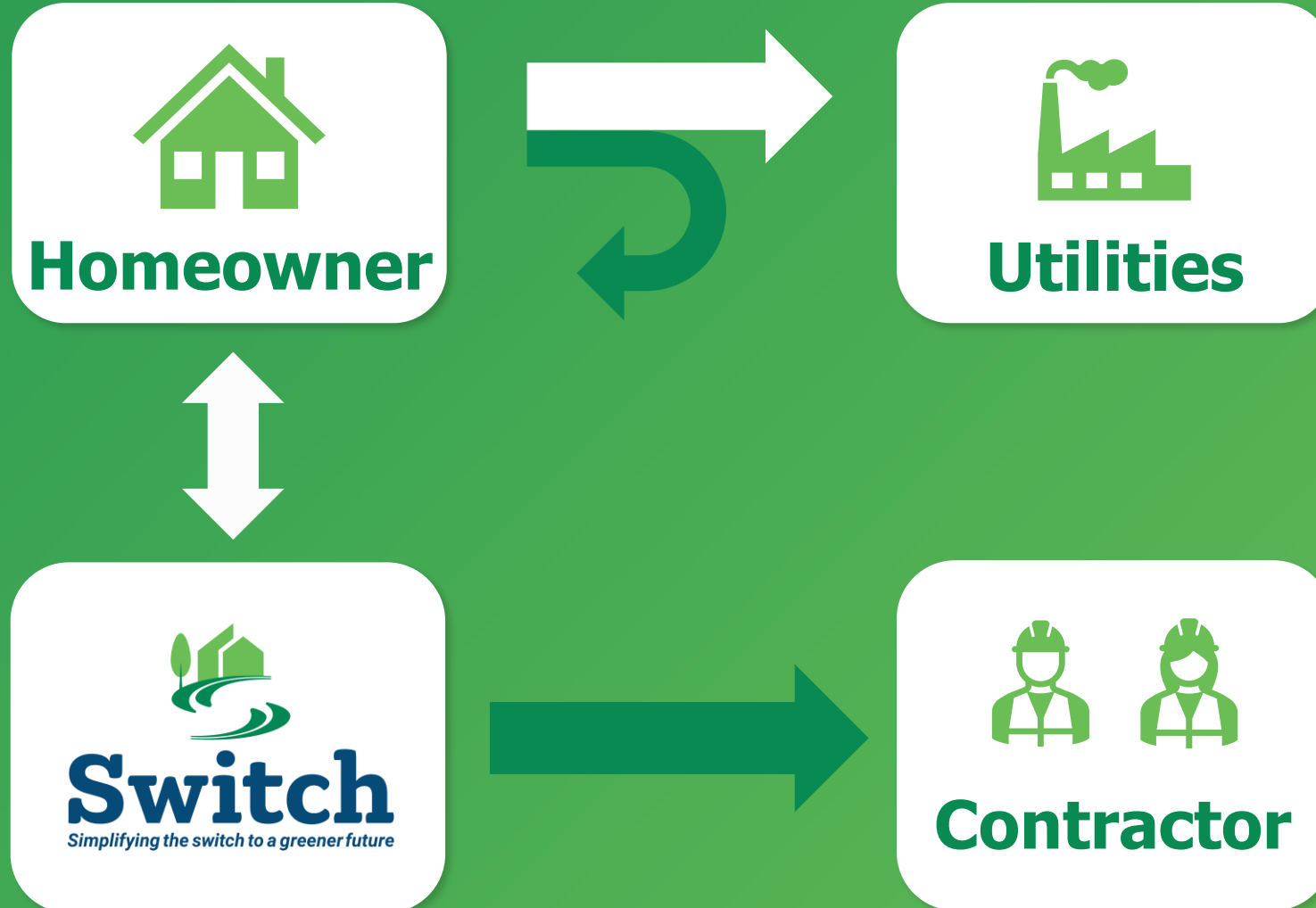


Switch Home Energy Upgrade





Switch Home Energy Upgrade





Switch Home Energy Upgrade



**Save more than you
spend each month!**



What type of upgrades can I do



INSULATION



Example Project:

**Exterior Wall & Basement
Insulation**

\$7,500
Total Cost

\$2,000
Total Rebates

\$65
Savings/Month

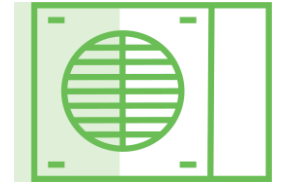
\$45
Cost/Month



What type of upgrades can I do?



HEAT PUMP



Example Project:
Central Heat Pump

\$18,000

Total Cost

\$5,000

Total Rebates

\$100

Savings/Month

\$70

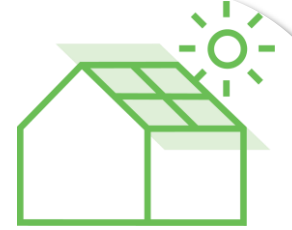
Cost/Month



What type of upgrades can I do?



SOLAR



**Example Project – 8.8kW
Rooftop Panel System**

\$26,000
Total Cost

\$15,000
Total Rebates

\$160
Savings/Month

\$145
Cost/Month



What type of upgrades can I do?



Exterior windows and doors



EV Home Charging



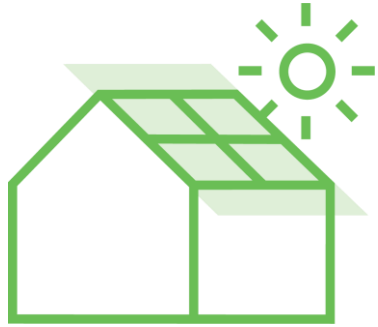
Battery Storage



Other Energy Upgrades



Who is eligible?



Homeowners in
Charlottetown



Residents who are not
behind on property tax &
utility payments





Scarlett Gets a Mini Split

Assessed Home Value: **\$214,000**
Project Limit (15%): **\$32,100**

Mini Spilt Heat Pump Cost: **\$4,800**
Administration Fee: **\$240**
Total Loan Value: **\$5,040**

Monthly Energy Savings: **\$50**
Monthly Switch Payment (10 years): **\$42**
Extra money in your pocket: **\$8**





Scarlett Gets a Mini Split

Assessed Home Value: **\$214,000**
Project Limit (15%): **\$32,100**

Mini Spilt Heat Pump Cost: **\$4,800**
Administration Fee: **\$240**
Total Loan Value: **\$5,040**

Potential Rebates: **\$2,400**
New Loan Value: **\$2,640**

Monthly Energy Savings: **\$50**
Monthly Switch Payment (5.5 years): **\$42**
Extra money in your pocket: **\$8**



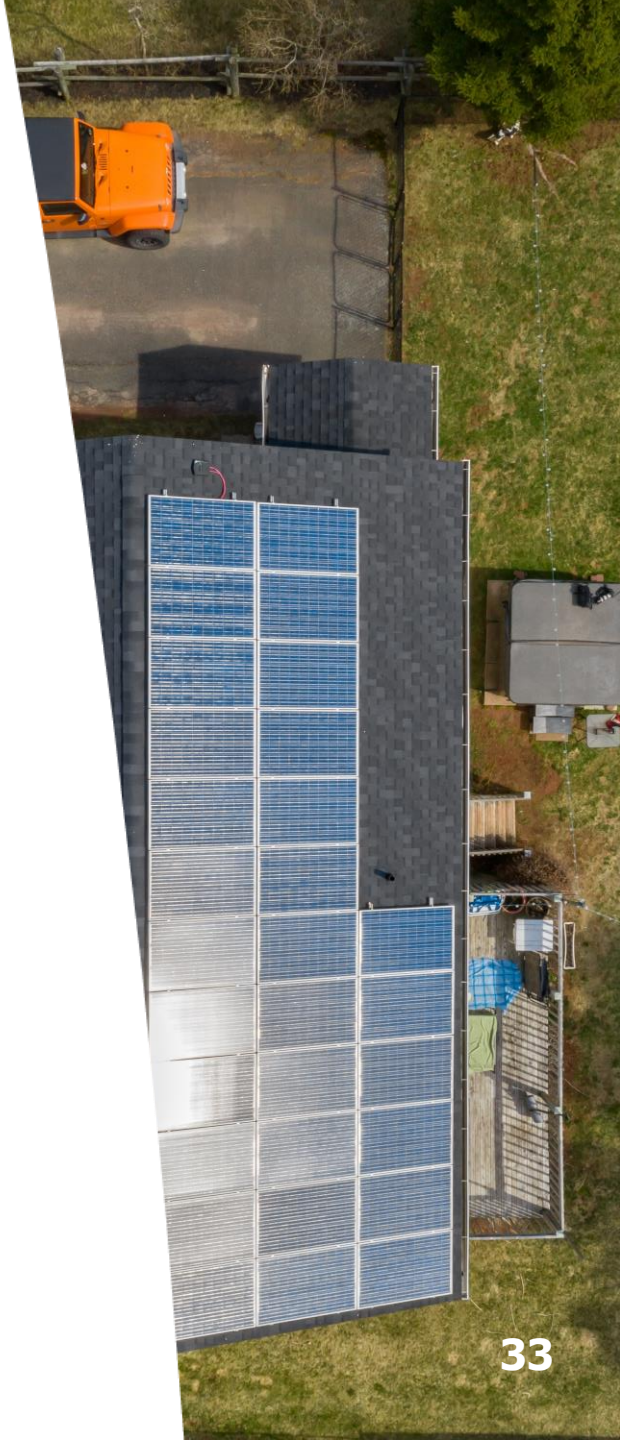


Nora and Emmett Go Solar

Assessed Home Value: **\$285,000**
Project Limit (15%): **\$40,000**

Solar System Cost: **\$26,000**
Administration Fee: **\$1,300**
Total Loan Value: **\$27,300**

Monthly Energy Savings: **\$160**
Monthly Switch Payment (15 years): **\$151**
Extra money in your pocket: **\$9**





Nora and Emmett Go Solar

Assessed Home Value:	\$285,000
Project Limit (15%):	\$40,000
Solar System Cost:	\$26,000
Administration Fee:	<u>\$1,300</u>
Total Loan Value:	\$27,300
Potential Rebates:	<u>\$15,000</u>
New Loan Value:	\$12,300
Monthly Energy Savings:	\$160
Monthly Switch Payment (6.8 years):	<u>\$151</u>
Extra money in your pocket:	\$9



Questions?

The Switch Program is here to help!

(902) 629-0355



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