



Energy Performance Program (EPP)

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Energy Performance Program (EPP)

- Holistic approach to energy savings: operational + behavior + capital
- Savings determined by comparing annual metered consumption to baseline energy model
- Data normalized for weather and significant building operations, e.g., occupancy, production, COVID-19
- New tiered incentive rates: \$0.15/kWh on-peak, \$0.04/kWh off-peak
- Upfront incentive payment



Who can participate in EPP?

1

Owners and/or operators of commercial, institutional, industrial and multi-residential facilities

2

Located in Ontario that is a general service account >50 kW

Who can participate in EPP?

3

Commit to participate for three years and commit to realize a minimum of five percent energy savings per facility within two years

4

Have 12 months of hourly interval meter data for each facility

Eligible Energy Savings Initiatives in EPP

Eligible Projects

- Capital projects
- Operational improvements

Not eligible:

- Behind-the-meter generation
- Fuel-switching
- Projects that have received incentive from other IESO program

Program Enhancements

Expanded Eligibility

- ❑ Participating facilities no longer required to have a minimum annual consumption of 1,500 MWh. Every facility with over 50kW demand is eligible.
- ❑ Smaller facilities do not need to aggregate anymore

New Incentive Structure

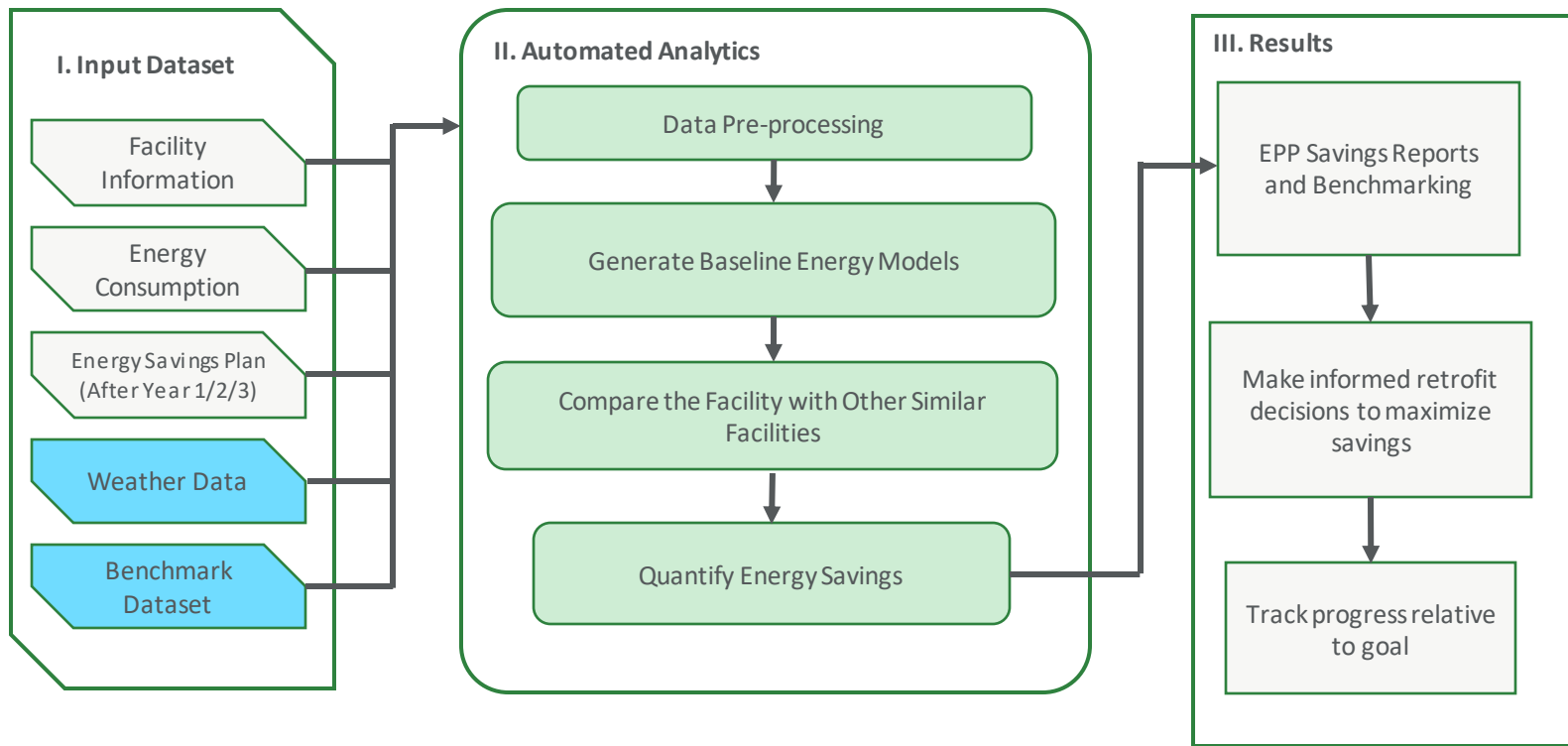
- ❑ \$0.15/kWh during on-peak hour* savings
- ❑ \$0.04/kWh during off-peak hour energy savings

*business days between June 1 and Aug 31 (inclusive), during the hours of 1pm and 7pm EDT

New Portal

- ❑ Application to be submitted via a portal.
- ❑ Online tools will do the baseline energy modeling and reporting for you.
- ❑ Benchmarking and data analytics tools for progress monitoring

EPP Portal Workflow



Sample Hourly Data

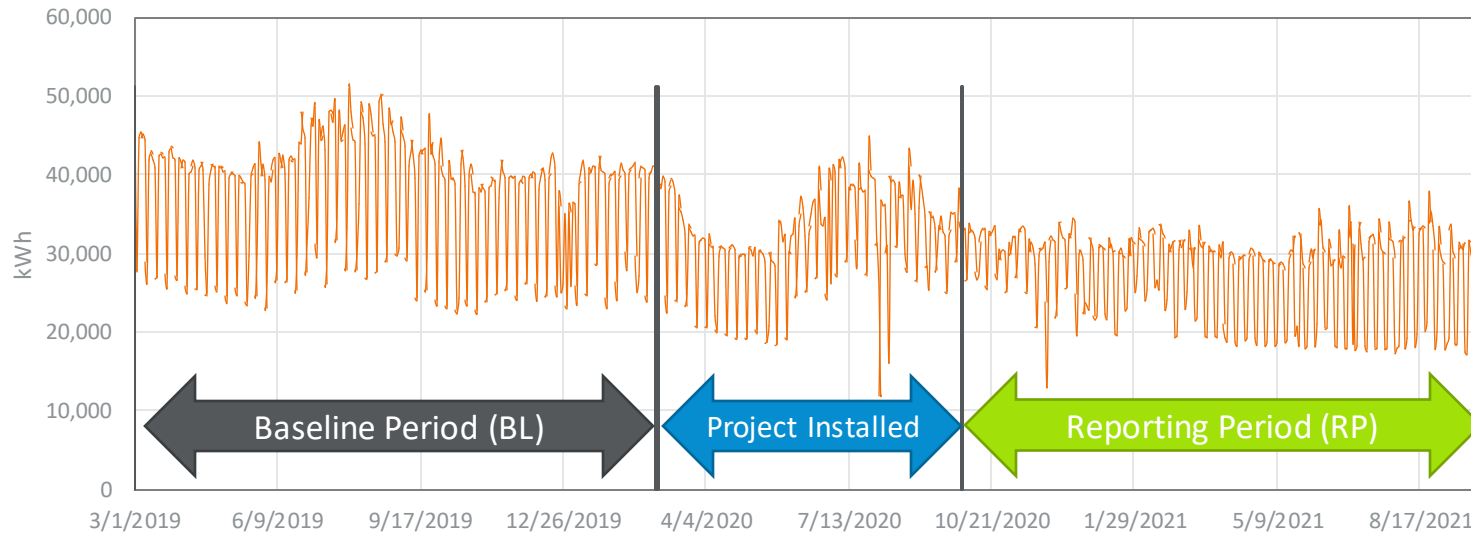
2020-03-16 0:00	1,283.00
2020-03-16 1:00	1,237.25
2020-03-16 2:00	1,236.42
2020-03-16 3:00	1,258.23
2020-03-16 4:00	1,349.12
2020-03-16 5:00	1,581.03
2020-03-16 6:00	1,877.95
2020-03-16 7:00	1,975.80
2020-03-16 8:00	2,090.84
2020-03-16 9:00	2,134.37
2020-03-16 10:00	2,119.03
2020-03-16 11:00	2,134.00
2020-03-16 12:00	2,099.07
2020-03-16 13:00	2,150.49
2020-03-16 14:00	2,144.82
2020-03-16 15:00	2,041.62
2020-03-16 16:00	1,966.22

Time	Actual (kW)
2019-01-01 00:00	193
2019-01-01 00:15	194
2019-01-01 00:30	198
2019-01-01 00:45	193
2019-01-01 01:00	197
2019-01-01 01:15	193
2019-01-01 01:30	190
2019-01-01 01:45	198
2019-01-01 02:00	196
2019-01-01 02:15	196
2019-01-01 02:30	196
2019-01-01 02:45	194
2019-01-01 03:00	192

RECORDED	DATE	HOUR	IN	UN	KW	KVAR
4.14E+09	201001	100	60	KW	103.824	59.04
4.14E+09	201001	200	60	KW	97.944	58.248
4.14E+09	201001	300	60	KW	97.728	57.072
4.14E+09	201001	400	60	KW	101.328	58.152
4.14E+09	201001	500	60	KW	111.24	56.232
4.14E+09	201001	600	60	KW	123.024	56.952
4.14E+09	201001	700	60	KW	180.936	78.192
4.14E+09	201001	800	60	KW	249.72	123.888

Baseline Modeling - Introduction

Savings = Baseline Period Energy – Reporting Period Energy ± Adjustments



Case Study

Participant: Community Centre

Enrolled in Dec,2020 for 2-year program (previous framework)

Baseline developed: 3,228,620 kWh

	Savings (kWh)	Incentive (\$)
Year 1	167,927	\$6,717.08
Year 2	70,098	\$2,803.92
Total	238,025	\$9,521

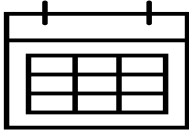
Non-routine adjustment conducted, Retrofit savings removed

Things you will need to sign up for EPP

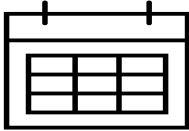
- Executed Participant Agreement - Available on the Save on Energy EPP webpage and the Portal
- Basic information about the facility
- At least 12 months of contiguous hourly electricity consumption data from a revenue-grade meter
- A copy of the most recent facility electric utility bill

We take care of the rest!

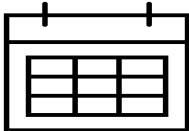
EPP Program - Important Dates



Get approval by Dec 31, 2024



Each Facility has 3 annual pay-for-performance periods



Program ends: **Dec 31, 2027**

Additional Resources

- ❑ Energy Performance Program Website
 - ✓ EPP Participant Agreement
 - ✓ EPP Program Requirements
 - ✓ EPP Technical Guide
 - ✓ EPP User Guide
 - ✓ Frequently Asked Questions

Whom do I contact if I have any questions or to sign-up?

- Visit [Frequently Asked Questions](#)
- E-mail us at info@energyperformanceprogram.ca
- Call us at 1-888-852-2440 (Mon to Fri: 9 AM to 5 PM EST)
- Visit [EPP website](#)