



# LEED® IMPACT REPORT

CANADA • 2018



# OVERVIEW CANADA

Updated: January 1, 2019

TOTALS FOR CANADA

**4,025**  
Certified Projects

**14.9**  
Certified Area Per Capita (sq.ft.)

**548,302,617**  
Certified LEED Space (sq.ft.)

**38**  
LEED v4 Certifications

**712**  
LEED v4 Registrations



## THE RESULTS SPEAK FOR THEMSELVES SINCE 2005, LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **16.7 million eMWh** which is enough to power **570,000** homes in Canada for a full year.



### Water savings

Water savings totalling over **30 billion** litres, as much as courses over the Canadian Horseshoe of Niagara Falls in four hours.



### Recycling

Recycling over **3.6 million tonnes** of construction/demolition waste, which is one year's total waste disposal in British Columbia.



### GHG Reduction

A **3.24 million CO2e tonne reduction** in greenhouse gas emissions which equates to taking **690,000 cars** off the roads for a year.



### Green Roofs

**355,000 sq. metres** of green roofs, enough to green the length of the Don Valley Parkway in Toronto.



GLOBAL LEADERSHIP  
CANADA HITS OVER

**700**  
**LEED V4**  
**REGISTRATIONS**

# SUMMARY

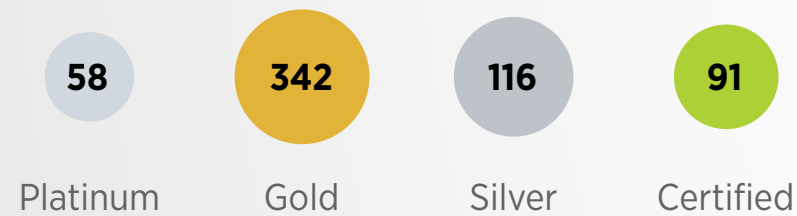
## BRITISH COLUMBIA



Updated January 1, 2019

	Number of Projects	Gross Square Footage
Certified	607	58,693,429.2 ft <sup>2</sup>
Registered*	1,571	175,974,230.8 ft <sup>2</sup>

### LEED® Certified Projects



### Top 5 | Project Type\*

Office Building	18%
Mid-rise Residential	15%
Mixed-use	11%
Other	9%
Retail	7%

### Top 4 | Owner Sector\*

Commercial	36%
Other	15%
Government - Local	8%
University / College	8%

\* Includes both registrations and certifications.

## SINCE 2005 IN BRITISH COLUMBIA LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **2,422,400 eMWh** which is enough to power **82,200 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **3,824,037,510 litres**, the equivalent of **1,530 Olympic-sized swimming pools**.



### Recycling

Recycling over **596,000 tonnes** of construction/demolition waste, which represents **185,630 garbage truck loads**.



### GHG Reduction

Over **467,550 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **99,500 cars** off the roads for a year.



### Green Roofs

**105,000 sq. metres** of green roofs, enough to cover over **70 hockey arenas**.



### Registrations

154

### Certified

2	Platinum	1	Gold
1	Silver	0	Certified

# SUMMARY

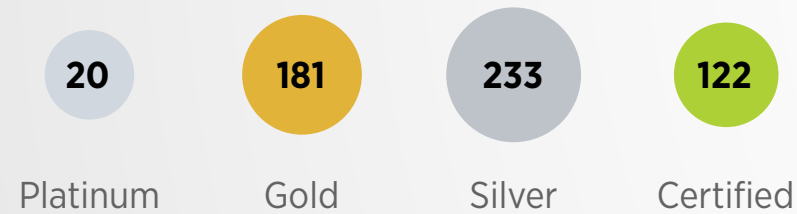
## ALBERTA

Updated January 1, 2019



	Number of Projects	Gross Square Footage
Certified	556	89,169,105.8 ft <sup>2</sup>
Registered*	1,194	200,245,955.4 ft <sup>2</sup>

### LEED® Certified Projects



### Top 5 | Project Type\*

Office Building	25%
K-9 School	13%
Other	9%
Retail	9%
Mixed-use	6%

### Top 4 | Owner Sector\*

Commercial	36%
School Board	16%
Government – Local	14%
Other	10%

\* Includes both registrations and certifications.

## SINCE 2005 IN ALBERTA LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **2,640,500 eMWh** which is enough to power **89,000 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **4,537,065,000 litres**, the equivalent of **1,815 Olympic-sized swimming pools**.



### Recycling

Recycling over **1,016,590 tonnes** of construction/demolition waste, which represents **316,580 garbage truck loads**.



### GHG Reduction

Over **500,000 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **106,375 cars** off the roads for a year.



### Green Roofs

**11,500 sq. metres** of green roofs, enough to cover over **8 hockey arenas**.



### Registrations

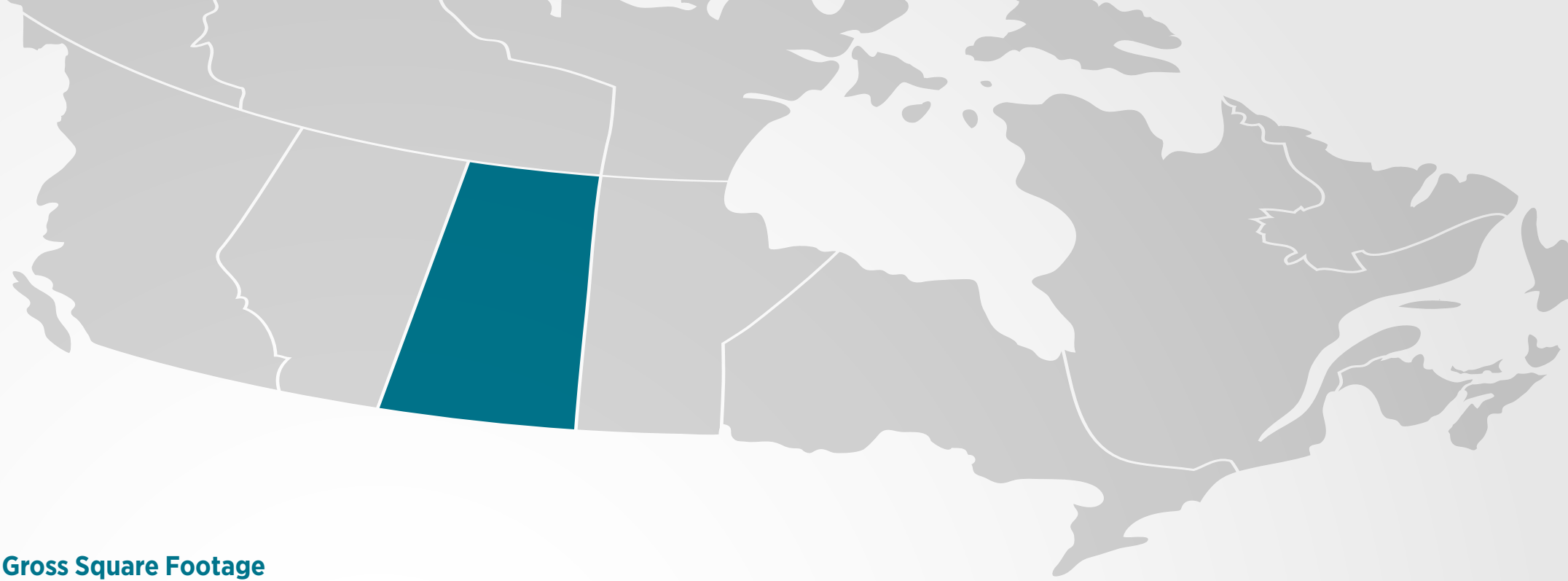
127

### Certified

0	Platinum	1	Gold
3	Silver	0	Certified

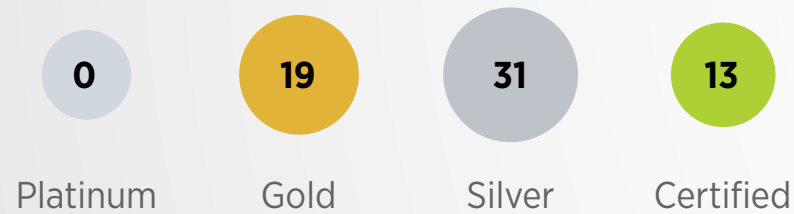
# SUMMARY SASKATCHEWAN

Updated January 1, 2019



	Number of Projects	Gross Square Footage
Certified	63	5,894,608.0 ft <sup>2</sup>
Registered*	129	10,618,253.2 ft <sup>2</sup>

## LEED® Certified Projects



## Top 5 | Project Type\*

Office Building	30%
K-9 School	21%
Other	11%
Mixed-use	5%
Retail	5%

## Top 4 | Owner Sector\*

Commercial	33%
School Board	19%
Government – Provincial	14%
Government – Local	8%

\* Includes both registrations and certifications.

## SINCE 2005 IN SASKATCHEWAN LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **285,000 eMWh** which is enough to power **9,675 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **267,978,000 litres**, the equivalent of **107 Olympic-sized swimming pools**.



### Recycling

Recycling over **66,000 tonnes** of construction/demolition waste, which represents **20,675 garbage truck loads**.



### GHG Reduction

Over **53,000 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **11,275 cars** off the roads for a year.



### Green Roofs

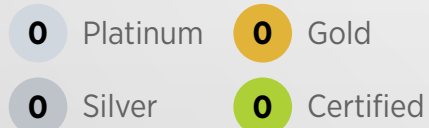
**725 sq. metres** of green roofs, enough to cover over **1 hockey arena**.



## Registrations

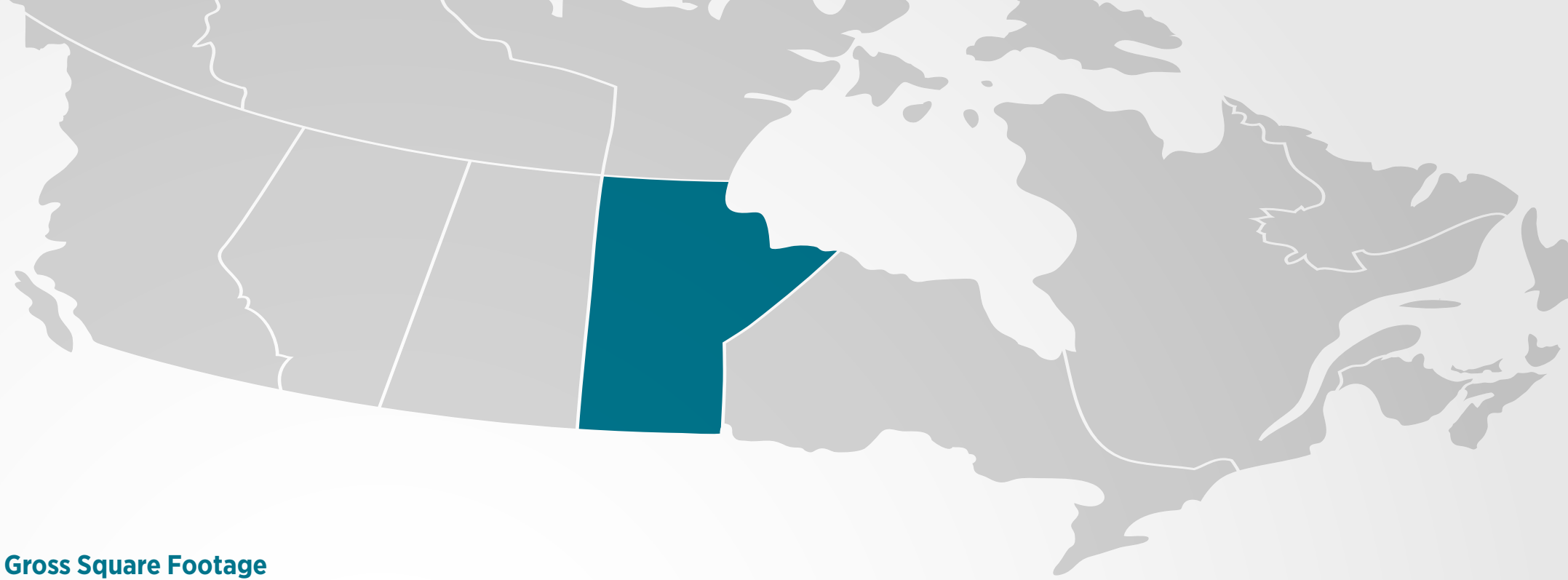
5

## Certified



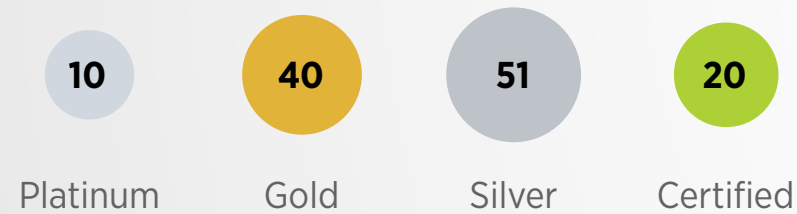
# SUMMARY MANITOBA

Updated January 1, 2019



	Number of Projects	Gross Square Footage
Certified	121	7,844,522.6 ft <sup>2</sup>
Registered*	282	17,158,911.1 ft <sup>2</sup>

## LEED® Certified Projects



## Top 5 | Project Type\*

Office Building	17%
K-9 School	14%
Other	8%
Mixed-use	6%
Single Family Home	6%

## Top 4 | Owner Sector\*

Government – Provincial	22%
Commercial	21%
Government – Local	10%
University / College	9%

\* Includes both registrations and certifications.

## SINCE 2005 IN MANITOBA LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **488,400 eMWh** which is enough to power **16,575 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **394,652,000 litres**, the equivalent of **158 Olympic-sized swimming pools**.



### Recycling

Recycling over **84,675 tonnes** of construction/demolition waste, which represents **26,300 garbage truck loads**.



### GHG Reduction

Over **95,000 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **20,175 cars** off the roads for a year.



### Green Roofs

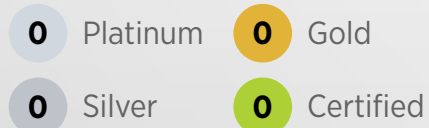
**6,500 sq. metres** of green roofs, enough to cover over **4 hockey arenas**.



## Registrations

19

## Certified



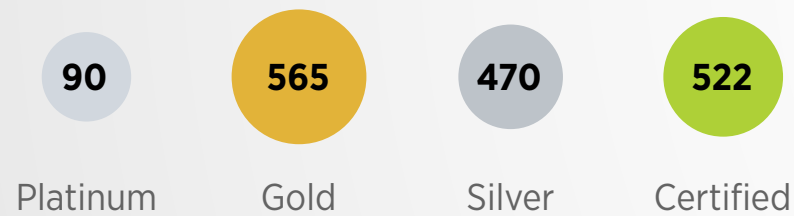
# SUMMARY ONTARIO

Updated January 1, 2019



	Number of Projects	Gross Square Footage
Certified	1,647	238,920,750.1 ft <sup>2</sup>
Registered*	3,015	505,750,037.9 ft <sup>2</sup>

## LEED® Certified Projects



## Top 5 | Project Type\*

Office Building	28%
Single Family Home	14%
Retail	11%
Other	8%
High-rise Residential	7%

## Top 4 | Owner Sector\*

Commercial	45%
Government – Local	11%
Other	11%
Government – Provincial	6%

\* Includes both registrations and certifications.

## SINCE 2005 IN ONTARIO LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **8,006,170 eMWh** which is enough to power **271,690 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **17,923,430,000 litres**, the equivalent of **7,000 Olympic-sized swimming pools**.



### Recycling

Recycling over **1,340,000 tonnes** of construction/demolition waste, which represents **415,000 garbage truck loads**.



### GHG Reduction

Over **1,535,400 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **326,680 cars** off the roads for a year.



### Green Roofs

**168,000 sq. metres** of green roofs, enough to cover over **110 hockey arenas**.



## Registrations

198

## Certified

0	Platinum	4	Gold
3	Silver	0	Certified

# SUMMARY

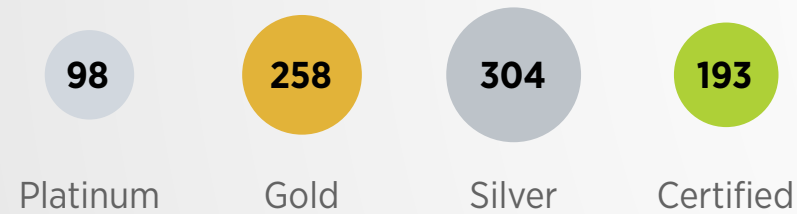
## QUEBEC

Updated January 1, 2019



	Number of Projects	Gross Square Footage
Certified	853	67,393,951.8 ft <sup>2</sup>
Registered*	1,643	166,865,734.4 ft <sup>2</sup>

### LEED® Certified Projects



### Top 5 | Project Type\*

Single Family Home	26%
Office Building	17%
Retail	11%
Industrial / Manufacturing	7%
Mixed-use	6%

### Top 4 | Owner Sector\*

Commercial	33%
Government – Local	9%
Other	9%
Government – Provincial	6%

\* Includes both registrations and certifications.

## SINCE 2005 IN QUEBEC LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **2,065,115 eMWh** which is enough to power **70,080 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **2,238,083,000 litres**, the equivalent of **895 Olympic-sized swimming pools**.



### Recycling

Recycling over **377,000 tonnes** of construction/demolition waste, which represents **115,000 garbage truck loads**.



### GHG Reduction

Over **392,900 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **83,600 cars** off the roads for a year.



### Green Roofs

**55,000 sq. metres** of green roofs, enough to cover over **36 hockey arenas**.



### Registrations

190

### Certified

6	Platinum	8	Gold
8	Silver	1	Certified



# SUMMARY

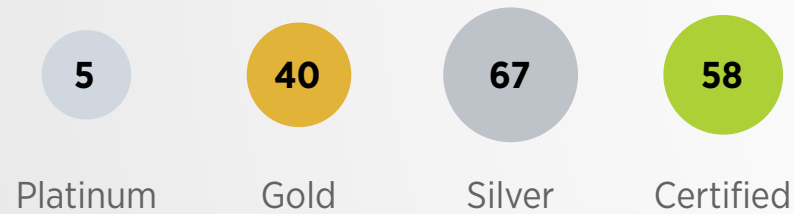
## ATLANTIC CANADA



Updated January 1, 2019

	Number of Projects	Gross Square Footage
Certified	170	14,226,025.3 ft <sup>2</sup>
Registered*	378	29,699,297.2 ft <sup>2</sup>

### LEED® Certified Projects



### Top 5 | Project Type\*

Office Building	15%
K-9 School	15%
Other	12%
Retail	9%
Single Family Home	6%

### Top 4 | Owner Sector\*

Government – Provincial	25%
Commercial	21%
Government – Local	14%
Government – Federal	8%

\* Includes both registrations and certifications.

## SINCE 2005 IN ATLANTIC CANADA LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **844,150 eMWh** which is enough to power **28,645 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **1,101,150,000 litres**, the equivalent of **440 Olympic-sized swimming pools**.



### Recycling

Recycling over **130,000 tonnes** of construction/demolition waste, which represents **40,500 garbage truck loads**.



### GHG Reduction

Over **187,585 CO<sub>2</sub>e tonne** reduction in greenhouse gas emissions which equates to taking over **39,900 cars** off the roads for a year.



### Green Roofs

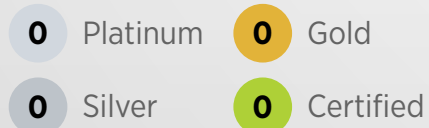
**12,000 sq. metres** of green roofs, enough to cover over **8 hockey arenas**.



### Registrations

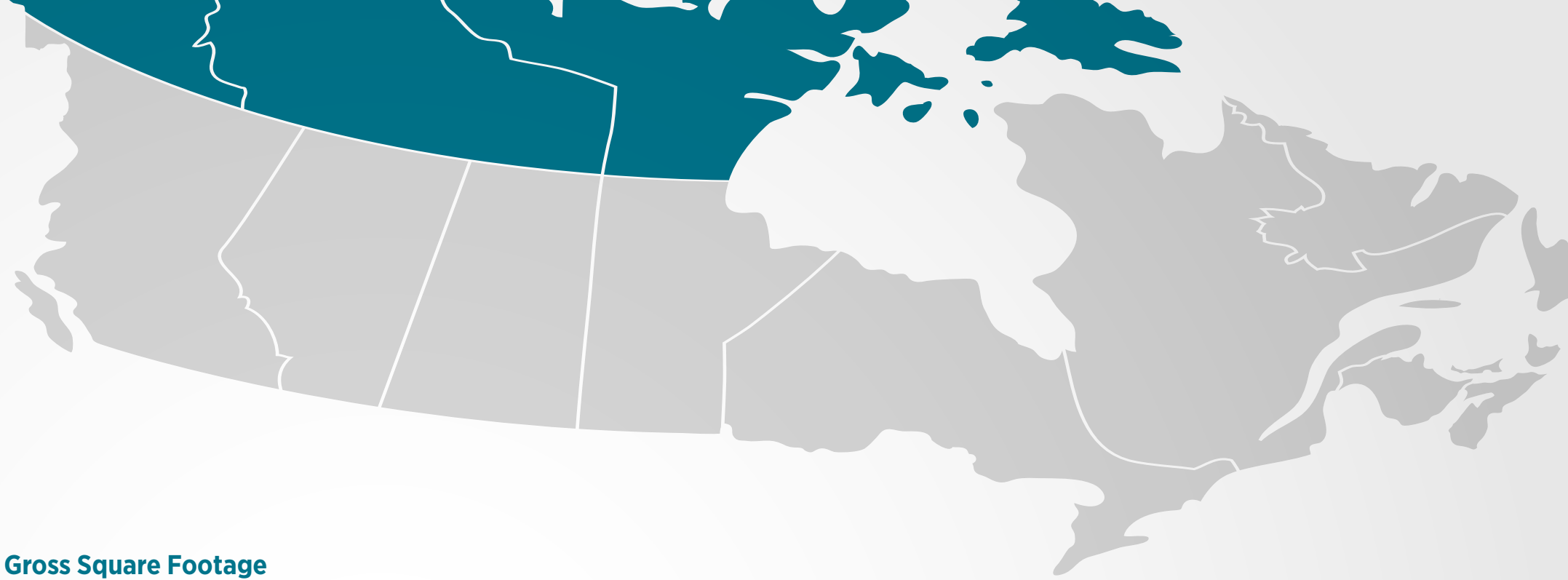
19

### Certified



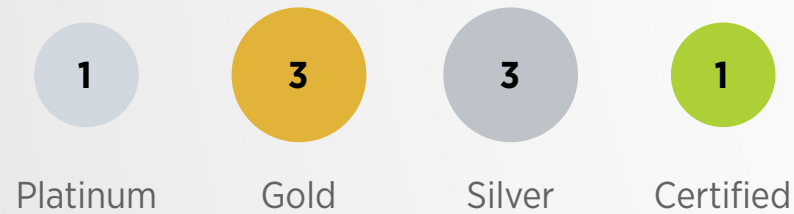
# SUMMARY TERRITORIES

Updated January 1, 2019



	Number of Projects	Gross Square Footage
Certified	8	416,111.2 ft <sup>2</sup>
Registered*	24	959,602.6 ft <sup>2</sup>

## LEED® Certified Projects



## Top 5 | Project Type\*

Office Building	16%
Mixed-use	12%
Single Family Home	12%
Public Safety	8%
Hospital/Clinic	8%

## Top 4 | Owner Sector\*

Commercial	20%
Government – Federal	13%
Government – Provincial	13%
Government – Local	13%

## SINCE 2005 IN THE TERRITORIES LEED® CANADA HAS LED TO:



### Energy Savings

Energy savings of **28,600 eMWh** which is enough to power **970 homes** in Canada for a full year.



### Water Savings

Water savings totalling over **25,365,000 litres**, the equivalent of **10 Olympic-sized swimming pools**.



### Recycling

Recycling over **4,000 tonnes** of construction/demolition waste, which represents **1,250 garbage truck loads**.



### GHG Reduction

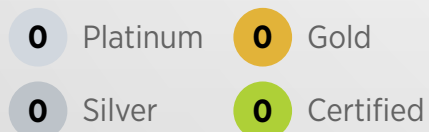
Over **5,785 CO2e tonne** reduction in greenhouse gas emissions which equates to taking over **1,230 cars** off the roads for a year.



## Registrations

0

## Certified



\* Includes both registrations and certifications.

# ZERO CARBON IN CANADA

Updated: February 2019

TOTALS FOR CANADA

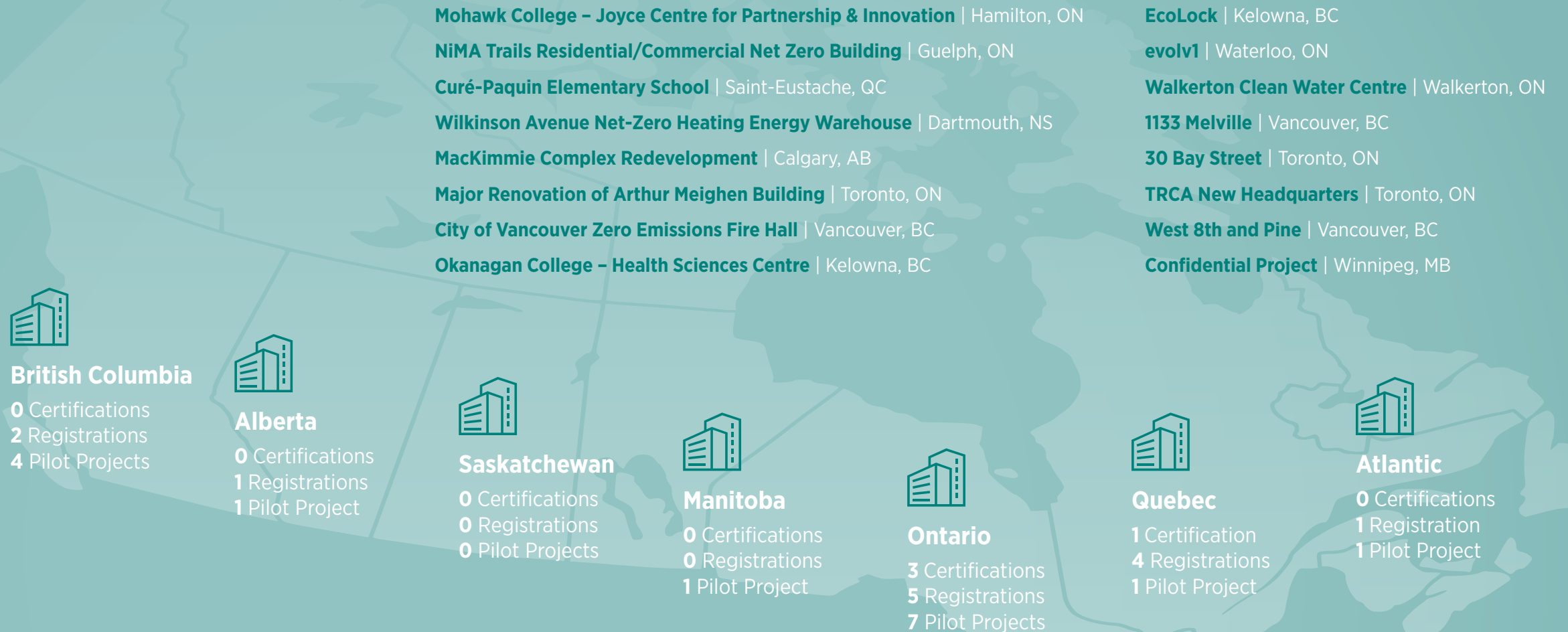
**4** Certified Projects

- 1 ZCB - Performance
- 3 ZCB - Design

**13** Registrations

- 4 ZCB - Performance
- 9 ZCB - Design

## ZERO CARBON BUILDING PILOT PROJECTS



- Mohawk College - Joyce Centre for Partnership & Innovation | Hamilton, ON
- NiMA Trails Residential/Commercial Net Zero Building | Guelph, ON
- Curé-Paquin Elementary School | Saint-Eustache, QC
- Wilkinson Avenue Net-Zero Heating Energy Warehouse | Dartmouth, NS
- MacKimmie Complex Redevelopment | Calgary, AB
- Major Renovation of Arthur Meighen Building | Toronto, ON
- City of Vancouver Zero Emissions Fire Hall | Vancouver, BC
- Okanagan College - Health Sciences Centre | Kelowna, BC

- EcoLock | Kelowna, BC
- evol1 | Waterloo, ON
- Walkerton Clean Water Centre | Walkerton, ON
- 1133 Melville | Vancouver, BC
- 30 Bay Street | Toronto, ON
- TRCA New Headquarters | Toronto, ON
- West 8th and Pine | Vancouver, BC
- Confidential Project | Winnipeg, MB

## ZERO CARBON BUILDING CERTIFIED PROJECTS



### evol1

Canada's first **Zero Carbon Building — Design** certification.  
Waterloo, ON



### The Joyce Centre for Partnership & Innovation at Mohawk College

Canada's second **Zero Carbon Building — Design** certification.  
Hamilton, ON



### 100 Murray Street

Canada's first **Zero Carbon Building — Performance** certification.  
Ottawa, ON



### Curé-Paquin Elementary School

Canada's third **Zero Carbon Building — Design** certification.  
Saint-Eustache, QC



Learn more about **Zero Carbon Innovation:**  
[cagbc.org/zerocarbon](http://cagbc.org/zerocarbon)



**Learn more about  
LEED® Canada at:**

[cagbc.org/LEED](https://cagbc.org/LEED)



**Learn more about  
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