

## TD Green Bond – Use of Proceeds

In 2014, TD launched the first commercial green bond in Canada. The \$500 million, three-year bond has a maturity date of April 3, 2017, with funds allocated to projects that contribute to the low carbon economy:

1. Renewable and low carbon energy development, such as hydroelectric, wind, solar and geothermal, and related infrastructure projects
2. Energy efficiency projects, with a focus on green buildings
3. Green infrastructure and sustainable land use management projects

The annual environmental benefits of projects allocated to the TD Green Bond in 2016 include:

- Over 26,000 MWh of energy saved or green energy generated, enough to power close to 2,000 homes
- Over 16,000 tonnes CO<sub>2</sub>e reduced/avoided, equivalent to removing more than 3,400 passenger vehicles off the road
- Over \$2.1 million in natural capital value generated (over \$4.5 million since 2014)

Three projects funded by TD's Green Bond in 2016 are featured below, as well as a breakdown of benefits and use of proceeds by project category.

### Bay Adelaide Centre East

**Amount Allocated:** \$52.7MM (Oct 2016)

**Project Lifetime:** 6.3 years

**Project Description:** Construction of Bay Adelaide Centre East, a 44-story, 1,026,000 square foot, Class AA commercial office tower located in downtown Toronto. The building is designed to achieve LEED Platinum Certification (the highest level attainable). The building will feature best in class operational, environmental and life-safety systems.

**Environmental Benefits:**

- 40% water savings
- 52% energy savings
- EV parking, bike & shower facilities
- Efficient lighting & occupancy sensors

### Mnidoo Mnising Power General Partnership

**Amount Allocated:** \$20.1MM

**Project Lifetime:** 15.6 years

**Project Description:** Long Term financing for a United Chiefs and Councils of Mnidoo Mnising tribal council First Nations project under the Aboriginal Loan Guarantee Program to develop a 60 MW wind farm on Manitoulin Island, Ontario. The wind farm spans 2,000 hectares and falls within the traditional lands of the Anishnabee of the Mnidoo Mnising.

**Environmental Benefits:** This project is estimated to generate in excess of 160,000 MWh annually, and has the potential to displace the equivalent amount of fossil fuel generation and its CO<sub>2</sub> emissions totaling 67,000 tonnes. The electrical output of the wind farm corresponds to the energy use of approximately 14,000 homes for 1 year.

### Calgary Composting Facility Chinook Resources Management General Partnership

**Amount Allocated:** Confidential

**Project Lifetime:** 3.3 years

**Project Description:** As part of the City of Calgary's Green Cart Composting Program, the City has planned to build a large-scale indoor/outdoor composting facility at an existing landfill site, with the first phase of the City's program to include composting of:

- Food scraps, and leaf and yard waste from single family households, and
- Anaerobically digested, dewatered bio-solids from the City's wastewater treatment plant

**Environmental Benefits:** Industrial scale composting facilities conserve precious landfill space through waste diversion, and reduce GHG emissions through controlled processing. The Calgary Composting Facility will help achieve the City's commitment of 80% waste diversion from the City's landfills by the year 2020.



## TD Green Bond – Use of Proceeds as at October 31, 2016<sup>1</sup>

| Category                     | TD Green Bond criteria   | Allocated amount <sup>2,3,4</sup><br>(\$MM) | Annual energy reduced/avoided<br>(MWh) | Annual GHG emissions reduced/avoided<br>(Tonnes CO <sub>2</sub> e) | Natural capital value<br>(CAD) |
|------------------------------|--|---|--|--|--------------------------------|
| Hydroelectric                | Construction and operation of hydro (run-of-river hydro < 15 MW)   | \$7.1                                       | 5,815                                  | 879  | N/A                            |
| Solar power                  | Development, construction and operation of solar energy facilities   | \$27.5                                      | 4,600                                  | 40   | \$9,210                        |
| Wind energy                  | Development, construction and operation of wind energy facilities  | \$58.9                                      | 8,000                                  | 293  | \$14,967                       |
| Building efficiency          | Green buildings new buildings and retrofits to existing buildings to achieve LEED Platinum certification       | \$234.1                                     | 8,366                                  | 2,719  | \$416,664                      |
| Transportation efficiency    | Retrofit or replace fleets and invest in public transportation, clean fuel technology, electric vehicles, etc. | \$130.3                                     | N/A <sup>5</sup>                       | 12,264   | \$1,673,915                    |
| Sustainable waste management | Improvements in minimization, collection, recycling, storage and disposal, and composting                      | \$40.9                                      | N/A <sup>6</sup>                       | N/A <sup>5</sup>   | N/A <sup>5</sup>               |
| <b>TOTAL</b>                 |  | <b>☑ \$498.8<sup>7</sup></b>                | <b>26,781</b>                          | <b>16,195</b>  | <b>\$2,114,756</b>             |

☑ Facts and figures over which Ernst & Young LLP provided reasonable level assurance

<sup>1</sup> Examples of projects funded by the TD Green Bond, visit TD Green Bond – Use of Proceeds.

<sup>2</sup> Includes financing or refinancing of existing and/or future projects including the committed amount of loans financed or refinanced.

<sup>3</sup> For more information on the basis of allocating the use of proceeds, visit the TD Green Bond Term Sheet for Investors.

<sup>4</sup> Visit the 2016 Assurance Report from Ernst & Young LLP

<sup>5</sup> Impact metrics cannot be quantified at this time due to data limitations.

<sup>6</sup> Metric not applicable.

<sup>7</sup> TD received cash proceeds of \$498.8 million net of agency fees.

