



Driving Innovation and the Clean Economy

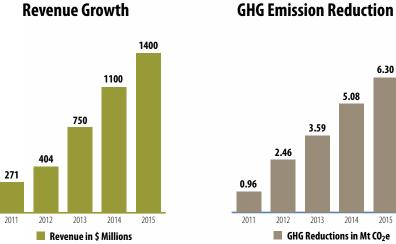
Sustainable Development Technology Canada (SDTC) provides funding to Canadian cleantech projects and coaches entrepreneurs along their path to success. It's our way of ensuring Canadian cleantech innovation grows and prospers. In this way, SDTC acts as a fundamental and critical resource for growing Canada's cleantech GDP and improving our global cleantech export ranking. At SDTC, our success is measured by the successes of our companies.

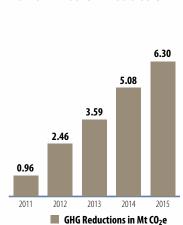
Cleantech refers to technologies that increase business and industry performance while improving resource efficiency and reducing or eliminating negative environmental impacts.

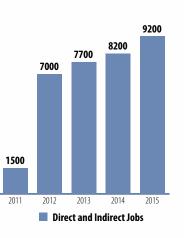
Canada's cleantech industry: 1

- Over 700 companies, mostly SMEs
- Directly employs more than 55,000 Canadians
- \$11.6 billion in annual revenues
- Export revenues of \$6.6 billion with about 87% of Canadian cleantech companies exporting
- Transformative impacts on major Canadian industry sectors:
 - agriculture - energy efficiency
 - forestry and forest products - mining
 - oil and gas - power generation
 - transportation

SDTC has been leading Canada's investment in cleantech for 15 years with successes in terms of companies in the global market and continuing investment in new project entrepreneurs. In 2015 another 32 projects were approved for funding by SDTC bringing the total number to 320 across the suite of SDTC funds.







Job Creation

SDTC 2015 Annual Report

^{1.} Analytica Advisors, 2016 Canadian Clean Technology Industry Report



Jim Balsillie
Chairman
Sustainable Development
Technology Canada

"SDTC has invested some \$928
million dollars in 320 projects.
These dollars were leveraged
three times over by both public
and private sector funding.
More importantly, some of these
projects are now delivering real
results. In 2015, SDTC companies
generated \$1.4 billion in annual
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they developed in partnership
with SDTC."

Message from the Chairman and the President & CEO

Canada's long-standing commitment to the development of pre-commercial clean technologies is a national success story.

It was in February, 2001, that then Natural Resources Minister Ralph Goodale introduced the legislation that would create Sustainable Development Technology Canada (SDTC). The goal was to enable sustainable prosperity — with emphasis on economic and environmental results. The means was the demonstration of new technologies that would reduce greenhouse gas emissions, improve air quality and enhance Canada's water and soil. An independent board of directors was chosen to manage the not-for-profit foundation and it was given initial funding of \$100 million.

Fifteen years later, SDTC has invested some \$928 million dollars in 320 projects. These dollars were leveraged three times over by both public and private sector funding. More importantly, some of these projects are now delivering real results. In 2015, SDTC companies generated \$1.4 billion in annual revenues from the technologies they developed in partnership with SDTC. That means that the cumulative monies invested by the Government of Canada in SDTC are now being paid back annually. Equally important, these technologies are also delivering real environmental benefits in the form of greenhouse gas emissions reductions.

At SDTC, our success is measured by the success of our companies. These companies are having a transformative impact from coast to coast to coast. Here are but a few examples: At the Pictou Shipyard in Nova Scotia, over 150 tradespeople were at work on the Cape Sharp Tidal project. The collaboration between OpenHydro and Emera will see the deployment of a tidal turbine array in the Bay of Fundy, near Parrsborro. In Salaberry-de-Valleyfield, Quebec, CO2 Solutions completed 2,500 hours of operation for its enzyme-enabled carbon capture technology. In Toronto, Ontario, the entrepreneurs at QD Solar are working on ways to use quantum dots to significantly boost the efficiency of conventional solar photovoltaic panels. In Fort Saskatchewan, Alberta, Liquid Light Technologies is getting ready to use catalytic electrochemistry to convert carbon dioxide to plastic. In Squamish, British Columbia, Carbon Engineering unveiled a project that will suck carbon dioxide directly from the atmosphere and transform it into calcium carbonate, a common substance found in rocks and snail shells.

These examples speak to the important niche that SDTC plays: supporting private sector-driven innovations that have the ability to accelerate and scale-up, driving clean growth in all sectors of the economy. They also illustrate the innovative capacity of Canada's entrepreneurs, the leaders of our small and medium-sized enterprises (90 percent of SDTC funds are invested in these types of firms) and the important role they play in delivering sustainable prosperity.

Organizationally, there has been a focus on renewal and reinvigoration. In 2015, we welcomed four new Board members and nine new Member Council members. These men and women are active leaders in entrepreneurship, sustainability and local community governance across the country. Together, we continue to be focused on moving forward best practices related to governance and transparency.

At the corporate level, we have focused on enhancing our core business by putting our companies' needs first. This has included and working to streamline our investment processes and embarking on new partnerships with our federal and provincial counterparts — in particular with the Western Economic Diversification, Alberta's Climate

Leah Lawrence President and CEO Sustainable Development Technology Canada

Change Emissions Management Corporation, Alberta Innovates: Energy and Environment and MaRS Discovery District in Toronto. In early 2016, we were pleased to announce a joint call for proposals with both the Climate Change Emissions Management Corporation and Alberta Innovates, the former for climate change-related technologies and the latter for water-related technologies.

We also spent time reaching out to the clean technology CEO and scientific communities. We held consultations with CEOs across the country, seeking to understand their specific challenges, as they look to grow their companies domestically and globally. We also reached out to the scientific community — in particular the National Research Council, but also universities and provincial research organizations as well — because we know that in this time of rapid and disruptive technology innovation collaboration is key.

And this is just the beginning.

In November 2015, Canada's new federal government put clean and sustainable technologies front and centre, emphasizing them in 14 ministerial mandate letters. It also moved to align SDTC more closely with Innovation, Science and Economic Development Canada – to whom we will become directly responsible. The Government of Canada affirmed its on-going commitment to SDTC in Budget 2016, providing another \$50 million in funding to support Canada's clean technology companies. Going forward, we are looking forward to building upon the successes of 2015, further harnessing the expertise of our networks, collaborating proactively to lead on clean growth efforts in Canada.

Finally, as we close out 2015, we would like to personally thank our colleagues at Natural Resources Canada and Environment and Climate Change Canada, who have provided the primary federal government oversight for our organization over its first 15 years. Your support has played an instrumental part in the success of SDTC.

Our partnership and collaboration will, of course, continue into the future as we work together to support Canada's sustainable prosperity.

Portfolio

About Sustainable Development Technology Canada

Sustainable Development Technology Canada (SDTC) is a non-profit foundation created and funded by the Government of Canada to foster and fund the development and demonstration of new cleantech projects in Canada. Our mission is to work with entrepreneurs to help them bring their cleantech innovations to market.

\$928 Million in SDTC **Funding**

Dollars allocated to cleantech projects across Canada to date.

\$3.38 Billion

Total Portfolio Value

These commercialized, SDTC-funded projects represent about 10 % of Canada's cleantech sector.

73 Commercialized Cleantech Companies

including \$2.45 Billion

in Public and Private Sector Dollars

\$1.4 Billion

Estimated Annual Revenues

... generated by SDTC-funded companies in the market at the end of 2015.

Consortia members contribute to SDTC-funded project companies.

1,073 Consortium Members

\$2 Billion

9,200 **Estimated New Jobs**

These jobs are direct and indirectly, attributed to SDTC-supported projects in 2015.

Estimated Total Follow-on Financing

... generated by SDTC-funded companies at the end of 2015.

213 **Patents Held**

... by SDTC-funded cleantech entrepreneurs.

\$98 Million

Estimated Annual Costs Avoided in 2015

15 Member Board of Directors

The Board reflects the broad interests of the public, private and academic sectors in Canada.

6.3 Megatonnes

CO₂e Estimated Annual **GHG** emissions

... reduction attributable to SDTC's portfolio projects with technologies in the market in 2015.

clean water and soil benefits attributable to SDTC's portfolio projects with technologies in the market.

Costs avoided due to clean air,

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OSTAR

Helping people understand the contribution cleantech makes to a healthy and prosperous Canada,

SDTC continues to showcase clean technologies across Canada, highlighting how cleantech drives job creation,

revenues and export opportunities. We will continue to share Canadian technologies with overseas partners,

positioning Canada as a reliable source of innovative clean technologies. This accomplishes SDTC's mission

of improving the environmental performance of technologies by building out Canada's cleantech

infrastructure and providing tangible environmental benefits for Canadians.

OSTARA



Accountability to Canadians

At Sustainable Development Technology Canada (SDTC), we fund Canadian cleantech projects and coach the companies that lead them as they move their ground-breaking technologies to market.

SDTC's support of cleantech translates into jobs, growth, and export opportunities for Canadian companies, as well as economic, environmental and health benefits for all Canadians.

SDTC's performance to date may be measured in terms of the entrepreneurial, environmental, and economic impacts of the Foundation's investment in Canadian cleantech. SDTC portfolio projects are economic drivers attracting significant leveraged funding and many are now mature and in the market reporting economic, environmental, and social benefits for Canada.

Government of Canada empowers SDTC to drive innovation through stewardship of the Funds. SDTC manages these Funds through a rigorous process ensuring accountability to Canadians.





The Funds

The SD Tech Fund™ supports the development and pre-commercial demonstration of clean technologies that contribute to clean air, clean water, clean soil and climate change mitigation, while improving the productivity and the global competitiveness of Canadian industry. The SD Natural Gas Fund™ is a component of the SD Tech Fund™ focusing on downstream natural gas innovations.

Funding Criteria

The Foundation must only award funding to Eligible Recipients demonstrating that:

- the proposed project is technically sound and will, in the opinion
 of the Board, result in the development or demonstration of new
 sustainable development technologies;
- the Eligible Recipient brings together the necessary technical, financial and management capacity to successfully undertake the Eligible Project in a collaborative and innovative manner;
- the funding by the Foundation is necessary to ensure that the Eligible Project proceeds within the scope, with the timing or at the location necessary to ensure that significant broad benefits accrue to Canadians nationally or regionally; and
- the Eligible Recipient has provided a description and assumptions for the timely diffusion and deployment in relevant market sectors of the new sustainable development technology resulting from the proposed Eligible Project and any related incremental intellectual property.

The NextGen Biofuels Fund™ was created to support the establishment of first-of-kind commercial-scale demonstration facilities for the production of next-generation renewable fuels and co-products from non-food feedstocks.

Funding Criteria

The Foundation has exercised its discretion in the allocation of funding to Eligible Recipients, in accordance with the following criteria:

- The Eligible Recipient's access to the necessary technical, financial and management capacity to successfully undertake the Eligible Project;
- The level of necessary funding required from the Foundation to ensure that the Eligible Project proceeds;
- The potential of the production pathway to deliver sustainable development benefits (social, economic and environmental) by:
- sustainably expanding renewable fuel production in Canada;
- improving the environmental benefits arising from the production and use of renewable fuels including the life-cycle fossil energy balance and life-cycle emissions of greenhouse gases;
- reducing the overall financial costs of Renewable Fuels; and,
- generating economic benefits for a wide range of communities.

The Government of Canada and Government of Alberta have launched a joint initiative between SDTC and The Climate Change and Emissions Management Corporation (CCEMC) for projects that can demonstrate reductions in GHG emissions. The SDTC/CCEMC cleantech initiative will award \$40 million in cleantech funding to successful projects through one streamlined, harmonized application process. With a maximum of \$10 million awarded per project, the joint process allows applicants to access more funding (up to 67% funding match from both SDTC and CCEMC) than would be available via individual applications to SDTC or CCEMC. Alberta Canada vironment Solutions Alberta Innovates Energy and Environment Solutions (Al-EES) and SDTC have launched a joint call for Expressions of Interest (EOI) for water technology projects. The joint AI-EES and SDTC cleantech water initiative will award \$8 million in cleantech funding to successful projects through one streamlined, harmonized application process. With a maximum of \$1 million awarded per project, the joint process allows applicants to access more funding (up to 67% funding match from both SDTC and AI-EES) than would be available via individual applications to SDTC or Al-EES.

Report on Results and Priorities

SDTC is actively supporting companies through the sequential development phases from the incubation of a great idea, through a growth process, towards market readiness.

Each year SDTC receives and evaluates over a hundred new and innovative project proposals from entrepreneurs with clean technology ideas and visions. Our vetting process allows us to select and fund on average more than thirty new technology development projects each year. This commitment means a multi-year funding and advisory support relationship is established between SDTC and Canadian cleantech entrepreneurs. These relationships form the basis of collaborative projects involving consortium funders, technical experts, and complementary federal and provincial agencies bringing further support to the project network.

Innovative technologies successfully complete demonstration projects and mature into market-ready companies. The process allows success to be realized, lessons to be learned, and improvements to be integrated back into the SDTC process going forward. Some success stories are profiled in this report.

Nurture

The SD Tech Fund™ investments start with a call for applications from companies needing support to advance clean technology development opportunities. A rigorous and highly acclaimed vetting process allows SDTC to evaluate the opportunities and select promising entrepreneurs and projects for support. In 2015, SDTC completed two funding rounds and approved funding for 32 projects. During this period, \$125 million in project funding was allocated for new projects and modifications to existing projects. From 2002 through 2015, SDTC has placed 28 rounds of funding calls and 316 projects have been approved for funding under the SD Tech Fund™, representing a cumulative total of \$842 million.

NextGen Biofuels Fund™ is now in its wind-down phase having allocated \$92 million to four projects. As a result, the NGBF is now focused on construction-ready projects that have successfully progressed through pre-construction planning in accordance with the NGBF™ Project Assurance Program (PAP), and is no longer accepting applications. While two Applications for Funding (AFFs), the Mascoma Drayton Valley Biorefinery (Drayton Valley, AB) and the Vanerco Project by Enerkem and Greenfield Ethanol (Varennes, QC) were progressing under the NGBF PAP, as of December 31, 2015 two projects, the Enerkem Alberta Biofuels Project and the AE Côte-Nord RTP™ Project had successfully completed the PAP process and were approved for final funding commitments by the SDTC Board of Directors

In order to raise awareness of the foundation and the cleantech funds we administer, SDTC hosts workshops and participates in sectoral and regional outreach activities. Reaching out to Canadian business, academic, research and financial communities improves the chances that deserving entrepreneurs will find their way to SDTC and get the support their projects need to success. We ensure a continuous process of building companies by maintaining the Virtual Incubator™ to help strengthen projects as they advance towards consideration by the SDTech Fund™.

In 2015 SDTC approved 32 new projects for funding. Details of these projects are provided in the 2015 Annual Report Supplement.

Nurture:

Getting ideas and companies ready to be funded by SDTC; and

Supporting them through the process, up until the decision to fund.

Build:

After decision to fund, move quickly to contracting and then support companies to meet their milestones and "graduate".

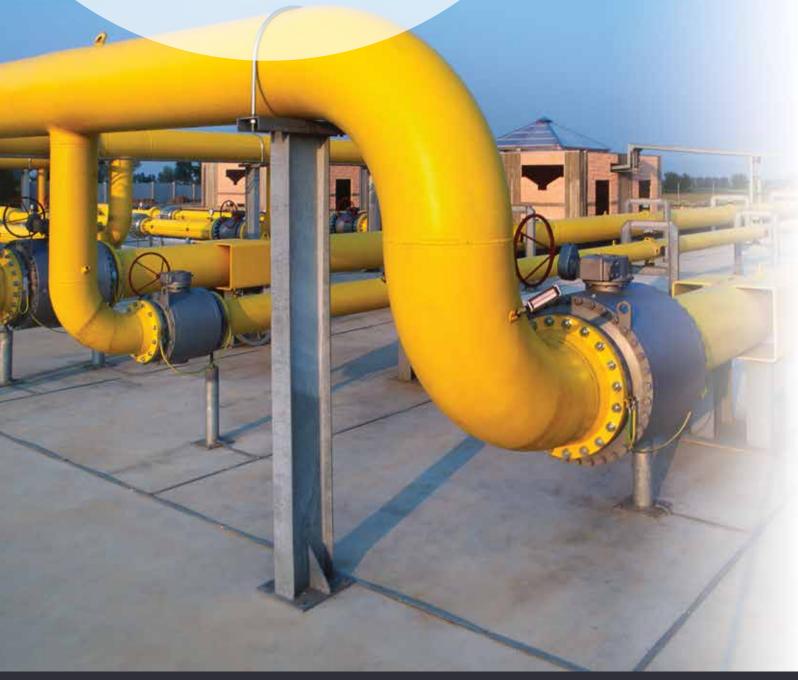
Launch:

Near graduation, link companies to the network players that will help them get meaningful sales, profits, and value creation; and

Build knowledge of how to scale globally.

SDTC managed the SD Natural Gas Fund™ for funding natural gas technologies in collaboration with the Canadian Gas Association (CGA). The CGA has committed up to \$15 million over three years, which will be matched by the SD Tech Fund™ to focus the development and demonstration of new downstream natural gas technologies. To date SDTC has allocated \$3.6 million to three new projects including; CHAR Technologies biogas purification system, Hydrogenics Corporation hydrogen gas production, and NextGrid Inc. combined heat and power system.





Report on Results and Priorities (continued)

Build

SDTC bridges the financing gap by helping cleantech innovators carry out practical, 'real-world' demonstrations of their technologies, which allow them to attract funding and advance toward market entry.

SDTC operates primarily during the early stages of the innovation process, taking on higher levels of risk than the majority of the venture industry. A large part of attracting further funding is tied to company performance and demonstration of commercial relevance and viability of technologies.

SDTC has 117 active projects (contracted or contract pending) and is working with these entrepreneurs towards project initiation, completion, and commercialization.

SDTC continues to make support available through SD Tech Fund™, leading a process to find Canada's most innovative clean technologies, and put them on a path to commercialization through increased collaboration with others in the space. Building cleantech in Canada is SDTC's core business.

From the onset of SDTC's relationship with applicants through to the completion of their projects, SDTC Screening and Evaluation Managers and Project Managers provide coaching on how to structure development and demonstration projects to achieve not only technical and practical success, but also to ensure that what is being demonstrated will have strong relevance to future customers and investors in the technology. SDTC staff build robust, milestone based contribution agreements with project proponents that define commercially relevant performance metrics that must be achieved during each phase of the project. This is intended to keep the proponent focused on what is most important from a performance point of view and to ensure that market relevant technologies are created through their projects. During the "build" phase SDTC also links companies with additional consortia partners such as supply chain partners or potential future customers or users of the technology, stakeholders from industry, research partners or other funding sources to provide additional funding and other forms of support and participation in the project and position it for success.

Launch

SDTC will continue to work with the investment community with a view to linking go-to-market consortia to SDTC portfolio projects now and into the future through increased follow-on-financing and technology adoption. This ensures that projects completing the build phase have a greater chance of success in the global cleantech market. Many SDTC portfolio projects are now maturing into competitive businesses. As projects come to an end SDTC supports entrepreneurs entering the market with their clean technologies. Once in the market, these technologies begin to realize even broader benefits for Canada.

GHG Emissions Reduction

Of the 141 SDTC funded projects completed by December 2015, a total of 73 have climate change mitigation benefits. Together these technologies have realized an annual GHG emissions reduction of approximately 6.3 Megatonnes CO2e in 2015. These estimates are developed in a conservative manner making adjustments for the uncertainty of technology performance by applying a discounting factor to individual projects.

Clean Air

A total of 45 projects are developing a clean technology providing clean air benefits. This includes reductions in the emissions to air of Criteria Air Contaminants.² Quantification of these emissions reductions indicate that the avoided health impacts (and associated cost), for these SDTC projects total a discounted avoided health related cost of \$12.8 million in 2015.

Clean Water

SDTC has estimated the economic benefits of 15 completed or in progress projects supporting water conservation and quality technologies. These benefits are based on the avoided costs associated with water conservation in applications (municipal, agricultural, manufacturing, and others) and reduced nitrogen and phosphorus loading in freshwater ecosystems. It is estimated that these clean technologies resulted in an avoided annual water treatment or use cost of greater than \$26.6 million in 2015.

Clean Soil

The clean soil benefits associated with 20 clean soil projects are based on the avoided costs of several factors including landfill tipping fees, soil treatment and remediation for contaminated soils, and the environmental effects of diverse pollutants present in soils. Loss of agricultural productivity is considered, but population health effects of pesticide application are currently excluded from the methodology pending approval of a reliable quantification metric. We have conservatively estimated that these projects led to an annual avoided cost greater than \$60 million in 2015.

The SD Tech Fund™ portfolio stands at 316 innovative cleantech projects, 89 percent of which have multiple environmental benefits. Specific and more detailed information is available in SDTC's Annual Report Supplement.

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^{2.} Analytica Advisors, 2016 Canadian Clean Technology Industry Report



Success Story — BioAmber Sarnia Inc.



Project Overview

BioAmber's original project with SDTC sought to demonstrate succinic acid downstream purification (using E.coli as an upstream input in the process). Based on the results of the lab- and pilot-scale trials, however, the project scope was expanded in 2014 to include the demonstration of an optimized yeast organism in the upstream process (in place of the originally demonstrated E.coli). Even though both E.coli and yeast were able to successfully produce succinic acid, the yeast technology was favoured as a lower-cost, lower-risk and less-energy-intensive alternative.

The Technology

The fermentation process is key to the production of bio-succinic acid. The fermenters used by BioAmber in its upstream process are some of the largest in the world, and the second largest for the production of chemicals. Much like making beer, yeast, CO₂ and sugar combine in the fermenter and undergo a chemical reaction. Instead of producing alcohol, however, when using BioAmber's proprietary yeast, they create succinic acid. On the downstream side, BioAmber uses existing, proven technology for purification of the upstream product. Tried, tested and well-understood technology is utilized, in order to not further complicate the process and remain cost competitive vis a vis the incumbent petroleum-based technology.

During the downstream process, water—and other inputs—added during fermentation are removed, resulting in highly pure, crystalline succinic acid. The bio-process uses 60 per cent less energy than the petroleum-derived process, which translates into a savings of over two trillionBTUs annually.

The Opportunity

In 2004, the US Department of Energy recognized bio-succinic acid as a renewable building block chemical with great technical feasibility and commercial potential. Manufactured using small amounts of sugar, bio-succinic acid is a platform chemical that can be used in a broad range of markets, from high-value niche applications such as food additives and personal care; to large volume applications such as polyurethanes, resins, artificial leather, and coatings.

As a "drop-in" replacement for traditional petroleum-based succinic acid, bio-succinic acid has demonstrated performance, health, and safety benefits. It reduces our global dependency on oil, helping to address the critical challenge of climate change, and better aligns with shifting consumer preferences for lower-carbon alternatives. Independent market research — by Global Industries, IHS, and Allied Research, respectively — projects that the globalmarket for succinic acid could see a compound annual growth rate of 30 per cent between 2012 and 2020.





Project Name: Succinic Acid Downstream Purification

Demonstration Project

Project was expanded in 2014 to include the demonstration of an optimized yeast organism.

Company Location: Sarnia, Ontario

Key Products/Services: Bio-based succinic acid

Date Incepted: 2008* (*Incorporation date of BioAmber Inc.,parent

company of BioAmber Sarnia Inc.)

SDTC Support: 2011 to 2016

Mission: To be a fast growing producer of chemical intermediates

that use sugar instead of fossil fuels; to sell competitively priced, sustainable chemicals with strong profit margins and the cleanest environmental footprint in the industry.

Consortia Partners: Mitsui & Co.

More information: **bio-amber.com**



Success Story — Effenco Hybrid Solutions



Project Overview

Effenco's development of a Stop–Start platform evolved from the analysis of several terabytes of data—the company collected information from 120 vehicles in North America and Europe, representing more than two million kilometres of urban–driving data. Effenco approached 11 fleets in four countries to participate in the SDTC–funded demonstration of the technology.

Armed with the resulting analytics, Effenco was able to create and then optimize their Stop–Start platform. Effenco collected data over a period of three years; the length of the project allowed for several upgrades and refinements to the original technology, continually bettering the system. What started out as a bulky, not particularly elegant Stop–Start system was upgraded several times throughout the length of the project and is now smaller, lighter and less expensive—a well-adapted, well-engineered package that fits readily and handily on a variety of vehicles.

The Technology

Effenco's Active Stop–Start technology is now operationally optimized, packaged and integrated. It is a commercially viable, state–of-the–art technology with proven results in the vocational vehicle business. The Stop–Start unit fits seamlessly on the rail of a truck and readily interfaces with the truck's own operating systems.

The Opportunity

Vocational vehicles are some of the least efficient vehicles on the road today. Garbage trucks spend 50 to 60 percent of their time immobile, during which time they use only two to five per cent of the engine's rated power to operate the hydraulic systems necessary to lift bins and compact waste. Because engines are sized according to their needs for propulsion, in the case of heavy vocational vehicles, they are grossly oversized for auxiliary loads (i.e., lifting and compacting).

It's no secret that internal combustion engines lack efficiency and contribute significantly to the world's GHG emissions. Effenco's principals saw the opportunity to utilize the engine only when needed to propel the vehicle. Using Effenco's technology, auxiliary loads are powered with stored electrical energy recovered from braking (or borrowed from the engine when the vehicle is in motion). In this fashion, parasitic energy wasted from engine and transmission friction is eliminated, improving the efficiency of heavy vocational vehicles while creating tremendous environmental upside.

Project Name: Large Scale Demonstration of an

Engine-off Hybrid System for Heavy-duty Utility Trucks

Company Location: Montreal, Quebec

Operating Since: 2006

Key Products/Services: Design, manufacture and market energy-management

systems for heavy (greater than 15 tons) vocational vehicles

SDTC Support: 2012 to 2014

Mission: Effenco develops the world's most flexible and efficient

heavy vehicle hybrid solutions to reduce fleet fuel costs and

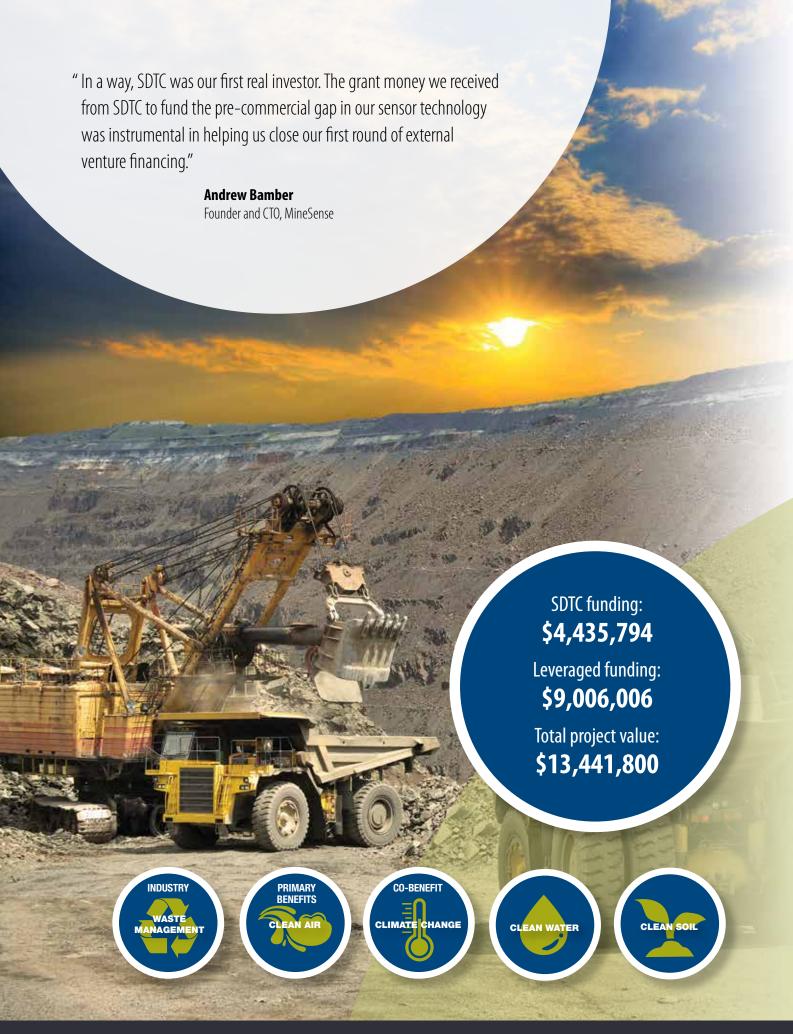
GHG emissions.

Consortia Partners: Waste Management Inc., Panda Waste Management

Solutions, Grundon Waste Management Limited, BFI Canada inc.,Refuse Vehicle Solution Ltd., City of Edmonton, Department of Sanitation of New York City, Biffa Municipal Limited, and Waste Industries LLC.

Associated Project: Hybrid Refuse Truck

More information: **effenco.com**



Success Story — MineSense Technologies Ltd.



Project Overview

The initial MineSense project sought to use sensor technology—that was able to detect nickel and copper with extreme sensitivity, precision and accuracy—to recover remnant ore from post-closure or active-mine waste dumps. In the process of reclaiming the value of the residual metal, MineSense was also reducing the environmental impact and liability of the dumps by significantly lessening the potential for soil contamination and metal leaching from unrecovered ores. Further, new feeds for the mines were created—via the reclaimed ore from waste material—that could now be recovered at lower intensities than freshly mined material.

The Technology

Whereas the initial MineSense technology was belt-based, scanning waste to recover high-metal content rock and rejecting the rest, MineSense has since developed a game-changing, shovel-based sensing and sorting system: ShovelSense™. This first-of-its-kind technology is able to make relevant measurements and decisions for mined material (e.g., "accept or reject") during loading, providing four distinct benefits to mining operations. The shovel-based technology:

- 1) provides measurement of ore quality at point of extraction;
- 2) uses that measurement to support a sorting stage of valuable vs. non-valuable materials at a throughput that's relevant to base-metal and ferrous mines;
- 3) reduces waste content in mill-feed material at source thereby providing energy and cost saving benefits; and
- 4) and reduces ore losses to waste, creating value from ore that would have previously been left in situ or gone to waste.

The Opportunity

The mining industry is a key, but often underserved, sector for cleantech development. Mines are both capital and energy intensive, and produce enormous amounts of waste rock every day. In order to get at the "pay" rock or "ore", a mining operation must move and dispose of a large amount of waste rock. Using conventional processes, the extracted ore can still contain significant amounts of waste dilution. Further, waste rock can also often contain sufficient levels of minerals that when left in waste piles not only represent a missed economic opportunity for mine operators but also have negative environmental impacts—soil contamination and leaching can occur as acid-generating minerals acidify over time, potentially releasing metals into the groundwater.

The MineSense technology proposes to tackle both the economic and environmental pitfalls of traditional mining extraction methods. Using MineSense technology in their operations, mining companies can recover lost ore in waste, as well as remove residual waste in ore at source, reducing both dilution and losses. Mines benefit from increased metal recovery, longer life of mines and decreased environmental impact. The technology could increase the total value of a mining operation by as much as 50 per cent, as well as revive mines considered to be at "end of life" with a more accurate assessment and classification of mined mineral content.

Project Name: Scalable Nickel/Copper Waste Reclamation Solution

Company Location: Vancouver, British Columbia

Key Products/Services: Mineral-sensing platforms for belt- and shovel-based

systems used in mining operations

Date incepted: 2009

Years of SDTC funding: 2011 to 2014

Mission: Enhancing the sustainability of mining by improving the

ore extraction and metal recovery process.

Consortia Partners: Canadian Arrow Mines Ltd.

Lions Gate Metals Inc.

BHP Billiton

More information: **minesense.com**

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Success Story — CarbonCure



Project Overview

The initial SDTC-funded project aimed to refine and commercialize CarbonCure's CO2-utilization technology in the concrete sector. The performance of the technology was validated through two full-scale industrial demonstrations—with the Shaw Group and Atlas Block (now Brampton Brick), respectively—for concrete masonry units. The demonstrations allowed CarbonCure to take its technology out of the lab and test it at an industrial scale in multiple full-scale production facilities.

Based on the demonstrations, CarbonCure was able to refine and optimize its technology for masonry products, as well as evolve it even further to include ready-mixed concrete applications. CO2 injection methods were also improved, becoming increasingly more effective and efficient; the resulting technology is not only cost competitive but the end product can be even stronger than traditional concrete. Together with the overarching environmental benefits of the technology, CarbonCure has a very attractive product that has garnered considerable global interest.

The Technology

CarbonCure Technologies manufactures a retrofit carbon dioxide recycling technology for existing masonry and ready-mixed concrete plants. CarbonCure's technology recycles CO2, reducing the carbon footprint of the concrete industry by creating affordable, greener and stronger concrete products. Using CarbonCure's technology, concrete manufacturers are able to permanently store CO2 in their concrete as solid limestone. The addition of CO2 also potentially reduces the need for some energy-intensive components in the concrete, further reducing greenhouse gas emissions.

The Opportunity

The cement and concrete industry produces approximately 5 percent of global GHGs. Environmental concerns and the opportunity to recycle CO2 in the concrete industry led Halifax-based CarbonCure to consider CO2 as an asset rather than a liability. They saw the potential to recycle CO2 in the concrete industry to make greener, stronger building materials while creating significant environmental benefits.





Project Name: CO, Utilization in Concretes

Company Location: Halifax, Nova Scotia

Operating Since: 2007

Key Products/Services: CO₃ utilization technology for the concrete sector

SDTC Support: 2010 to 2015

Vision: Re-thinking carbon dioxide in concrete for

a lower carbon future.

Consortia Partners: Air Liquide

Brampton Brick (formerly Atlas Block Co. Ltd.)

The Shaw Group Ltd.
Basalite Concrete Products

More information: **carboncure.com**

"SDTC works to bring economically viable, clean technologies to market. We invest in globally competitive Canadian companies that produce tangible environmental benefits that also makes Canada's economy more competitive."

SOLUTIONS

ECAMION



















Carbon Engineering

COOLEDGE











electrovaya

corvus

CrossChasm































Environmental Technologies Inc.







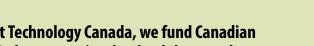


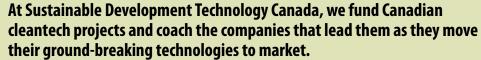












We are independent but don't work alone. A big part of our role is building and sustaining networks of partners and stakeholders from private industry, academia and governments, at home and abroad. We operate at arm's length and receive funding from the Government of Canada.



bioamber

DUNDEE

CelluForce

SUSTAINABLE TECHNOLOGIES



Enerkem



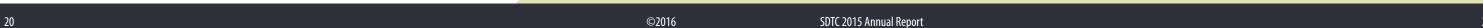








Systems

















Financial Statements — Year Ended December 31, 2015

Independent Auditors' Report

To the Members of Canada Foundation for Sustainable Development Technology

We have audited the accompanying financial statements of Canada Foundation for Sustainable Development Technology, which comprise the statement of financial position as at December 31, 2015, the statements of operations and cash flows for the year then ended, and notes, comprising a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements present fairly, in all material respects, the financial position of Canada Foundation for Sustainable Development Technology as at December 31, 2015 and its results of operations and its cash flows for the year then ended and its remeasurement gains and losses for the year ended December 31, 2015, in accordance with Canadian public sector accounting standards.

Chartered Professional Accountants, Licensed Public Accountants

April 22, 2016 — Ottawa, Canada

KPMG LLP

Statement of Financial Position

December 31, 2015, with comparative information for 2014 (in thousands of dollars)

				2015	2014
	SD Tech	NextGen Biofuels			
	Fund	Fund		Total	Total
Assets					
Current assets:					
Cash	\$ 9,767	\$ 20,050	\$	29,817	\$ 18,881
Amounts receivable	144	-		144	79
Harmonized sales tax receivable	177	1		178	455
Inter-fund receivable (note 2)	124	-		124	114
Prepaid expenses	133	_		133	183
	10,345	20,051		30,396	19,712
Investments (note 3)	13	26		39	132,415
Capital assets (note 4)	1,081	_		1,081	691
	\$ 11,439	\$ 20,077	\$	31,516	\$ 152,818
Liabilities and					
Deferred Contributions					
Current liabilities:					
Accounts payable and accrued liabilities	\$ 1,557	\$ 130	\$	1,687	\$ 2,172
Harmonized sales tax payable	, _	3	·	3	_
Inter-fund payable (note 2)	-	124		124	114
	1,557	257		1,814	2,286
Deferred contributions:					
Expenses of future periods (note 5)	9,882	19,820		29,702	150,532
Commitments (note 8)					
	\$ 11,439	\$ 20,077	\$	31,516	\$ 152,818

See accompanying notes to financial statements.

Statement of Operations

December 31, 2015, with comparative information for 2014 (in thousands of dollars)

			2015	2014
	SD Tech Fund	NextGen Biofuels Fund	Total	Total
Revenue:				
Recognition of deferred				
contributions (note 5)	\$ 82,422	\$ 40,376	\$ 122,798	\$ 69,226
Miscellaneous	122	-	122	-
	82,544	40,376	122,920	69,226
Expenses:				
Project appraisal and development	4,986	372	5,358	5,146
Project management	1,143	325	1,468	977
Partnership development and project support	975	88	1,063	1,205
Governance and executive	1,538	95	1,633	2,594
General administration	2,811	111	2,922	3,086
	11,453	991	12,444	13,008
Project disbursements	71,091	39,385	110,476	56,218
Total expenditures	82,544	40,376	122,920	69,226
Excess of revenue over expenses	\$ -	\$ _	\$ -	\$

See accompanying notes to financial statements.

Statement of Cash Flows

December 31, 2015, with comparative information for 2014 (in thousands of dollars)

			2015	2014
	SD Tech Fund	NextGen Biofuels Fund	Total	Total
Cash provided by (used in):				
Operating activities:				
Excess of revenue over expenses	\$ _	\$ _	\$ _	\$ _
Items not involving cash:				
Amortization of capital assets	402	10	412	402
Recognition of deferred contributions	(82,422)	(40,376)	(122,798)	(69,226)
Investment income	586	415	1,001	2,272
nvestment fund management fees paid	(53)	(26)	(79)	(166)
Changes in non-cash operating				
working capital items	(73)	(147)	(220)	765
	(81,560)	(40,124)	(121,684)	(65,953)
Capital activities:				
Purchase of capital assets	(802)	-	(802)	(534)
Financing activities:				
Sales of investments - net	80,272	52,104	132,376	72,422
Deferred contributions received	370	676	1,046	2,175
	80,642	52,780	133,422	74,597
Increase (decrease) in cash	(1,720)	12,656	10,936	8,110
Cash, beginning of year	11,487	7,394	18,881	10,771
Cash, end of year	\$ 9,767	\$ 20,050	\$ 29,817	\$ 18,881

See accompanying notes to financial statements.

Notes to Financial Statements

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

Canada Foundation for Sustainable Development Technology — Fondation du Canada pour l'appui technologique au développement durable (the "Foundation") is a corporation continued under the Canada Foundation for Sustainable Development Technology Act, (S.C.2001) effective on March 22, 2002.

The Foundation is not an agent of Her Majesty, but is accountable to Parliament through Innovation, Science and Economic Development Canada. Environment and Climate Change Canada and Natural Resources Canada are the other key departments involved in the work of the Foundation.

The Foundation's mandate, governance, operations, performance requirements, accountability and relationship to the Government of Canada are defined in its governing statute and in funding agreements that have been executed by the Foundation and the Ministers of both Natural Resources Canada and Environment Canada. In this way, the Foundation operates as a fully accountable instrument of the Government of Canada to help provide timely development and demonstration of innovative technology solutions to the nationally important issues of climate change, clean air and water and soil quality.

The Foundation manages two funds: the SD Tech Fund and the NextGen Biofuels Fund, which are further described below.

SD Tech Fund

To date, the Foundation has received \$550 million in grants and is eligible to receive \$365 million in contributions from the Government of Canada to provide financial support to projects that develop and demonstrate new technologies that have the potential to advance sustainable development, including technologies to address climate change, clean air and water and soil quality issues. This support is provided to eligible recipients that have established partnerships which are comprised of a private sector commercial corporation and one or more of: a private sector commercial corporation, a university or college, a private sector research institute, a not-for-profit corporation, or a federal or provincial Crown corporation (or subsidiary) whose role is the provision of resources and/or facilities to the consortium as a subcontractor.

Eligible contributions are to be received based on cash flow requirements up to March 31, 2022. The Foundation receives quarterly cash flows from the Government of Canada based on projections of future cash outflows in order to provide the funding required to meet project requirements.

The Foundation will endeavour to ensure that there are funds available to allocate to new eligible projects at least up to June 30, 2016. With the exception of a reasonable amount reserved for related project monitoring and evaluation, and for wind-up costs, the Foundation will also endeavour to manage and disburse the funds in total by June 30, 2021.

NextGen Biofuels Fund

During the year ended December 31, 2007, the Foundation entered into a funding agreement with the Government of Canada which provided for a conditional grant to create the NextGen Biofuels Fund ("NGBF").

The NGBF provides financial support towards the establishment of first-of-kind facilities that demonstrate production pathways for next-generation renewable fuels at large demonstration scale. This support is provided to eligible recipients including for-profit corporations, partnerships, limited partnerships or business trusts with legal capacity in Canada and that have access to expertise in next-generation renewable fuels production pathways. Agreements for financial support to eligible recipients include provisions for repayability from free cash flow of the funded project.

Notes to Financial Statements (continued)

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

The Foundation will disburse up to March 31, 2017 (the "disbursement period") its share of eligible project costs incurred or to be incurred by eligible recipients. With the exception of a reasonable amount reserved for related project monitoring and evaluation, collection of repayments and for wind-up costs, the Foundation shall return any portion of the NGBF at the earlier of the end of the funding agreement on September 30, 2027, and such time or times subsequent to the end of the disbursement period as the Government of Canada may determine.

Effective December 3, 2014, NGBF is no longer accepting applications for financial support.

1. Significant accounting policies:

The financial statements have been prepared by management in accordance with Canadian public sector accounting standards including the 4200 standards for government not-for-profit organizations:

(a) Revenue recognition:

The Foundation follows the deferral method of accounting for contributions whereby contributions, including grants received and interest earned on the invested amounts are deferred and recognized as revenue as expenses and project disbursements are incurred.

(b) Project disbursements:

Project disbursements are recognized as the awarded grants are disbursed.

(c) Capital assets:

Capital assets are recorded at cost. Amortization is provided on a straight-line basis over the assets' estimated useful lives using the following annual rates:

Asset	Rate
Computer hardware	30%
Computer software	20 - 50%
Office furniture and equipment	20%

Leasehold improvements are amortized on a straight-line basis over the shorter of the lease term or their estimated useful lives.

When a capital asset no longer contributes to the Foundation's ability to provide services, its carrying amount is written down to its residual value.

(d) Financial instruments:

Financial instruments are recorded at fair value on initial recognition.

Derivative instruments and equity instruments that are quoted in an active market are subsequently reported at fair value. All other financial instruments are

Notes to Financial Statements (continued)

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

subsequently recorded at cost or amortized cost unless management has elected to carry the instruments at fair value.

Management has not elected to record any such investments at fair value.

Unrealized changes in fair value are recognized in deferred contributions until they are realized, when they are transferred to the statement of operations.

Transaction costs incurred on the acquisition of financial instruments measured subsequently at fair value are expensed as incurred. All other financial instruments are adjusted by transaction costs incurred on acquisition and financing costs, which are amortized using the effective interest rate method.

All financial assets are assessed for impairment on an annual basis. When a decline is determined to be other than temporary, the amount of the loss is reported in the statement of operations and any unrealized gain is adjusted through deferred contributions.

When the asset is sold, the unrealized gains and losses previously recognized in deferred contributions are reversed and recognized in the statement of operations.

(d) Financial instruments (continued):

The Standards require an organization to classify fair value measurements using a fair value hierarchy, which includes three levels of information that may be used to measure fair value:

- Level 1 Unadjusted quoted market prices in active markets for identical assets or liabilities;
- Level 2 Observable or corroborated inputs, other than level 1, such as quoted prices for similar assets or liabilities in inactive markets or market data for substantially the full term of the assets or liabilities; and
- Level 3 Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets and liabilities.

(e) Expenses:

The Foundation classifies expenses on the statement of operations by function. The Foundation does not subsequently allocate expenses between functions and all expenditures are recorded directly in the function to which they relate.

(f) Use of estimates:

28

The preparation of the financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the year. Actual results could differ from those estimates. These estimates are reviewed annually and as adjustments become necessary, they are recognized in the financial statements in the period they become known.

Notes to Financial Statements (continued)

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

2. Inter-fund balance and transactions:

The inter-fund balance receivable/payable bears no interest and is not governed by terms of repayment. As at December 31, 2015, \$124 (2014 - \$114) of operating expenses and allocated staff costs incurred by the SD Tech Fund on behalf of NextGen Biofuels Fund were outstanding.

3. Investments:

Money market funds

High interest investment

savings accounts

Fixed income securities

			2015		2014
		 Fair	Amortized	 Fair	Amortized
SD Tech Fund	Level	Value	Cost	Value	Cost
Money market funds	2	\$ -	\$ _	\$ 38,861	\$ 38,861
High interest investment					
savings accounts	2	13	13	22,748	22,748
Fixed income securities	1	-	-	18,699	18,676
		\$ 13	\$ 13	\$ 80,308	\$ 80,285
			2015		2014
		Fair	Amortized	Fair	Amortized
NextGen Biofuels Fund	Level	Value	Cost	Value	Cost

26

26

26

26

29,328

22,721

52,131

82

\$

29,328

22,721

52,130

81

Notes to Financial Statements (continued)

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

There were no transfers between Level 1 and Level 2 for the year ended December 31, 2015.

Fixed income securities have been fully redeemed as at December 31, 2015. In 2014, coupon rates ranged from 1.25% to 5.18% and maturity dates were between March 2015 and June 2017.

(a) Investment risk:

Investment in financial instruments renders the Foundation subject to investment risk. This risk arises from changes in interest rates if investment instruments are withdrawn prior to maturity or should market interest rates increase significantly over those of the investments of the Foundation. The Foundation invests in money market funds, which management considers low risk.

(b) Concentration risk:

Concentration risk exists when a significant portion of the portfolio is invested in securities with similar characteristics or subject to similar economic, political or other conditions. Management believes that the investments in money market funds described above does not represent excessive risk.

(c) Credit risk:

The risk relates to the potential that one party to a financial instrument will fail to discharge an obligation and cause the other party to incur a financial loss. The maximum credit exposure at the Foundation is represented by amounts receivable amounts as presented in the statement of financial position.

4. Capital assets:

			 2015	 2014
		Accumulated	Net book	Net book
SD Tech Fund	Cost	amortization	value	value
Computer hardware	\$ 164	\$ 90	\$ 74	\$ 70
Computer software	1,380	543	837	540
Office furniture and equipment	52	42	10	19
Leasehold improvements	825	665	160	52
	\$ 2,421	\$ 1,340	\$ 1,081	\$ 681

During the year, capital assets were acquired at an aggregate cost of \$802 (2014 - \$534).

Cost and accumulated amortization at December 31, 2014 amounted to \$2,989 and \$2,308, respectively. During the year, the Foundation disposed of capital assets with a cost and accumulated amortization of \$1,370.

Notes to Financial Statements (continued)

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

			 2015	 2014
		Accumulated	Net book	Net book
NextGen Biofuels Fund	Cost	amortization	value	value
Computer hardware	\$ 2	\$ 2	\$ _	\$ _
Leasehold improvements	120	120	-	10
	\$ 122	\$ 122	\$ 	\$ 10

Cost and accumulated amortization at December 31, 2014 amounted to \$159 and \$149, respectively. During the year, the Foundation disposed of capital assets with a cost and accumulated amortization of \$37.

5. Deferred contributions - expenses of future periods:

Deferred contributions related to expenses of future periods represent the unspent balance in the Fund that is restricted for disbursement to eligible sustainable development technology projects and operations of the Foundation, as defined in the Funding Agreements.

The change in the deferred contributions balance is as follows:

				NextGen		
		SD Tech		Biofuels	2015	2014
		Fund		Fund	Total	Total
Balance, beginning of year	\$	91,401	\$	59,131	\$ 150,532	\$ 215,477
Federal contributions received		-		676	676	-
Other contributions received		370		-	370	2,175
Interest income and amortization						
of discounts (premiums) on bonds		586		415	1,001	2,272
Less amount recognized as revenue		(82,422)		(40,376)	(122,798)	(69,226)
Less investment fund management fees		(53)		(26)	(79)	(166)
		(82,475)		(40,402)	(122,877)	(69,392)
Balance, end of year	\$	9,882	\$	19,820	\$ 29,702	\$ 150,532
	•	•	,	•	,	

Notes to Financial Statements (continued)

Year ended December 31, 2015 (Amounts in thousands of dollars unless otherwise noted)

6. Capital management:

The Foundation defines capital as its deferred contributions related to expenses of future periods.

The Foundation's objectives in managing capital are to safeguard its ability to continue as a going concern and pursue its strategy of promoting sustainable development technology and next-generation renewable biofuels to eligible projects that meet the mandate and criteria of its funder, the Government of Canada, and benefits to other stakeholders. Management continually monitors the impact of changes in economic conditions on its investment portfolio and its funding commitments.

The Foundation is not subject to any externally imposed capital requirements and its overall strategy with respect to capital remains unchanged from the year ended December 31, 2014.

7. Commitments:

SD Tech Fund:

During the year, the Foundation awarded grants for a maximum amount of \$125 million (2014 - \$82 million). Total disbursements to eligible recipients during the fiscal year were \$71 million (2014 - \$56 million).

The Foundation also has commitments to lease office space as follows: 2016 – \$0.8 million; 2017 – \$0.7 million; 2018 – \$0.6 million; 2019 – \$0.5 million; 2020 – \$0.5 million; and thereafter \$0.4 million.

NextGen Biofuels Fund:

During the year, the Foundation awarded grants from the NextGen Biofuels Fund to a maximum of \$27 million (2014 - \$Nil). Total disbursements to eligible recipients during the fiscal year were \$39 million (2014 - \$0.6 million).

8. Subsequent event:

On December 19, 2014, the Foundation received \$2 million in external funding for a program that did not proceed. This amount is included in the cash balance on the statement of financial position as at December 31, 2015 and 2014. The amount was returned to the funder on April 22, 2016.

9. Statement of remeasurement gains and losses:

A statement of remeasurement gains and losses has not been included as it would not provide additional meaningful information.

10. Comparative information:

Certain comparative information has been reclassified to conform with the financial statement presentation adopted in the current year.

SD Tech Fund™ and NextGen Biofuels Fund™ Grant Investment Portfolios

As at December 31, 2015

SD Tech Fund™ Investment % Breakdown

Rating	Current % Invested	Maximum % Available	Available %
Other A	0.0 %	20.0 %	20.0 %
Other AA	0.0 %	70.0 %	70.0 %
Other AAA	0.0 %	80.0 %	80.0 %
Government A	0.0 %	No Limit	No Limit
Government AA	0.0 %	No Limit	No Limit
Government AAA	0.0 %	No Limit	No Limit
Money market securities	0.2 %	No Limit	No Limit
High Interest Savings Account	99.8 %	No Limit	No Limit
Totals	100 %		

NextGen Biofuels Fund™ Investment % Breakdown

Rating	Current % Invested	Maximum % Available	Available %
Other A	0.0 %	20.0 %	20.0 %
Other AA	0.0 %	70.0 %	70.0 %
Other AAA	0.0 %	80.0 %	80.0 %
Government A	0.0 %	No Limit	No Limit
Government AA	0.0 %	No Limit	No Limit
Government AAA	0.0 %	No Limit	No Limit
Money market securities	0.0 %	No Limit	No Limit
High Interest Savings Account	100 %	No Limit	No Limit
Totals	100 %		

\$2 \times SDTC 2015 Annual Report \$33

People of SDTC — Board of Directors

SDTC is governed by a Board of Directors reflecting the broad interests of the public, private and academic sectors in Canada. It is composed of 15 Directors, seven of whom are appointed by the Government of Canada, including the Chair, and eight of whom are appointed by Members of the Foundation.

The Board has five committees: the Audit and Grant Investment Committee, the Corporate Governance Committee, the Human Resources Committee, the Project Review Committee—NextGen Biofuels Fund™, and the Project Review Committee—SD Tech Fund™.

Directors of the Board are subject to conflict of interest guidelines requiring them to declare potential conflicts of interest and refrain from participating in any discussions regarding matters that could give rise to a conflict of interest.

Name	Title	Committee		
Jim Balsillie	Chairman, SDTC	Ex-Officio to all Committees		
John Bradlow	Partner, Penfund	Human Resources Committee Chair Audit & Grant Investment Committee		
Geoff Cape	CEO, Evergreen	Corporate Governance Committee		
K. Ross Creelman	Managing Director, Northern Energy Solutions Ltd.	Human Resources Committee Corporate Governance Committee		
Judy Fairburn	Executive Vice-President, Business Innovation, Cenovus Energy	Human Resources Committee		
Daniel Gagnier	Negotiator and Facilitator on Québec-Aboriginal Relationships	Project Review Committee — NGBF™ Chair Audit & Grant Investment Committee		
Sarah Kavanagh Corporate Director and Commissioner, Ontario Securities Commission		Vice-Chair of the Board of Directors Audit & Grant Investment Committee		
Ronald Koudys	President, Ron Koudys Landscape Architects	Corporate Governance Committee		
George E. Lafond	Treaty Commissioner for Saskatchewan	Audit & Grant Investment Committee		
Jason Lee	President, Spry Consulting	Project Review Committee — SD Tech Fund™ Chair Project Review Committee — NGBF™		
Gary Lunn	Former Minister of Natural Resources	Corporate Governance Committee Chair Project Review Committee — SD Tech Fund™		
Ellen McGregor	CEO, Fielding Environmental Inc.	Project Review Committee — SD Tech Fund™		
Jane Pagel	Corporate Director	Human Resources Committee Project Review Committee — SD Tech Fund™		
Juergen Puetter	President, Aeolis Wind Power Corporation President, Blue Fuel Energy	Human Resources Committee		
Jacques Simoneau	President & CEO, Univalor French: Président-directeur général, Univalor	Audit & Grant Investment Committee Chair Project Review Committee — NGBF™		

People of SDTC — Member Council

The Members of the Foundation include 15 leaders who together provide an informed and representative perspective on, and contribution toward, the achievement of SDTC's mission and goals.

Name	Title
Bernd Christmas	Chief Executive Officer, Gitpo STORMS Corp.
Timothy M. Egan	President and Chief Executive Officer, Canadian Gas Association
Johanne Gélinas	Partner, Raymond Chabot Grant Thornton's Strategy and Performance Consulting Group
D. Christine Hollstedt, RPF	Principle, Inspiring Leadership
Wally Hunter	Managing Director, EnerTech Capital
Brenda Kenny	Retired President and CEO of the Canadian Energy Pipeline Association
Julie Lepage	President, Acosys Consulting Service Inc.
Sergio Marchi	President and Chief Executive Officer, Canadian Electricity Association
Susan McArthur	Managing Partner, GreenSoil Investments
John Ruffolo	Chief Executive Officer, OMERS Ventures
Kathleen Sendall	Corporate Director
Andrew T. B. Stuart	President and CEO, Isowater Corporation
Katherine Trumper	Project Management Consultant
Dan Wicklum	Chief Executive, COSIA
Joseph D. Wright	Retired President and CEO, Pulp and Paper Research Institute of Canada

People of SDTC — Investment Committee

The Investment Committee identifies technologies with strong competitive and environmental potential and relays its recommendations to the Project Review Committee — SD Tech Fund™. The Project Review Committee oversees processes associated with funding. The Board of Directors has authority for final approval.

Name	Title	
Leah Lawrence	Investment Committee Chair — President & CEO, SDTC	
Leo de Bever	Chairman, Oak Point Energy	
Jason Lee	President, Spry Consulting	
Gary Lunn	Former Minister of Natural Resources	
lan MacGregor	Chairman and CEO, NW Refining Inc.	
Ellen McGregor	CEO, Fielding Chemical Technologies Inc.	
Andrée-Lise Méthot	Founder and Managing Partner, Cycle Capital Management	
Jane Pagel	Corporate Director	
Christian Zabbal	Managing Director, Black Coral Capital	
Rosemary Zigrossi	Director, Promontory Financial Group	

People of SDTC — Compensation

Board of Directors' Compensation

Position	Stipend*	
Chair of the Board	\$12,000 annually	
Vice Chair of the Board	\$9,000 annually	
Board Members	\$5,000 annually	

^{*} All Directors of the Board received a meeting fee of \$550 per meeting day. The Directors of the Board who sit on the SD Tech Investment and Project Review Committees received a meeting fee of \$1,500 per meeting day and those who sit on the NGBF Project Finance and Project Review Committees received \$2,000 per meeting day.

Senior Management Compensation

In accordance with the Funding Agreement, SDTC Senior Management and Directors' compensation or the fiscal year ending December 31, 2015, including salary, bonus, allowances and other benefits was within the annual compensation ranges listed below.

Position	Total Annual Compensation	Additional Performance-based Compensation
President & CEO	\$328,000 - \$400,000	\$ 0 - \$71,000
Vice Presidents	\$159,000 - \$215,000	\$ 0 - \$45,000
Senior Professionals	\$100,000 - \$155,000	\$ 0 - \$12,500



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