

Government of Saskatchewan Low Carbon Economy Fund Applications

These 11 projects, totaling more than \$200 million in project costs, have the potential to reduce provincial emissions by as much as 188 million tonnes.

The following projects have been submitted to the Low Carbon Economy Fund as of May 14, 2018:

- Serving New Communities with Natural Gas. \$20.8M project cost that will reduce over 80,000 tonnes of GHG emissions. SaskEnergy proposes serving First Nations communities with natural gas by providing the necessary natural gas infrastructure as well as the individual residential service connections for homes.
- Woodlot for Effluent Treatment Project. \$9.5M project cost that will reduce approximately 50,000 tonnes of emissions. SaskWater proposes to develop an irrigation woodlot for the Town of Biggar for a zero wastewater discharge solution for treated effluent. Benefits include a carbon sink from a newly forested area and reduced local flooding.
- Solar Power Installation Project. \$4.5M project costs that will reduce 26,000 tonnes of emissions. SaskWater proposes to install solar panels at 12 SaskWater facilities throughout Saskatchewan, limiting the amount of electrical generation from GHG-producing sources.
- Zero Emissions Municipal Landfill Microgrid Project. \$12.3M project cost that will reduce approximately 93,000 tonnes of emissions. SaskPower proposes to partner with a municipality to install a zero emissions biogas-solar-energy storage microgrid located at a municipal landfill site.
- Emissions Free Oilfield Microgrid Project. \$16.4M project cost estimated to reduce emissions by 176,000 tonnes. SaskPower proposes to partner with a major oilfield partner to develop a zero emissions flare gas-solar-energy storage microgrid located at an oilfield battery in southern Saskatchewan (location not yet selected).
- Residential Home Retrofit Program. \$7M program that will reduce approximately 80,000 tonnes of emissions. SaskPower proposes to launch an Energy Assistance Program for residential home retrofits. The program would provide qualified lower income customers across Saskatchewan with an in-home energy assessment and energy efficient upgrades.
- Demand Side Management Plan. \$19M program that will reduce up to 325,000 tonnes of emissions. SaskPower proposes to accelerate its Demand Side

Management (DSM) Plan for implementing energy efficient technologies in Saskatchewan. DSM is especially effective at reducing emissions as it lowers the base level of power being used by Saskatchewan residents and businesses, in comparison to putting in new sources of electricity generation.

- Mountain Pine Beetle Surveillance Program. \$6.8M project cost with the potential to remove 23.8 million tonnes of emissions. The Ministry of Environment proposes aerial and ground-based surveillance of leading-edge populations of mountain pine beetles. Controlling these sites early could significantly slow the eastern spread of the beetle into Saskatchewan.

- Pasture Seeding Project. \$6.5M project cost that will remove annual emissions by 48,000 tonnes. The Ministry of Agriculture proposes to encourage best management practices in the agriculture sector. The purpose of the project is to enhance sequestration and reduce greenhouse gases on marginal and saline soils in Saskatchewan by providing agricultural producers in Saskatchewan with incentives to seed saline land.
- Emission Reduction Innovation and Infrastructure Program. \$50 million project that will reduce emissions by up to 140 million tonnes. The Ministry of Energy and Resources proposes a three-year program to support innovation

commercialization scaling projects and the development of large-scale value-added infrastructure projects that lower emissions of associated gases in the oil and gas sector.

- Associated Gas Gathering and Processing Project. \$48.5M project that will remove over 800,000 tonnes annually or approximately 24 million tonnes of emissions overall. The Ministry of Energy and Resources proposes to develop a comprehensive associated gas (such as methane) gathering system, compression, and processing project in the Kindersley area of Saskatchewan.