



LDC Tomorrow Fund

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**LDC TOMORROW
FUND**

THE LDC TOMORROW FUND

The purpose of the LDC Tomorrow Fund is to fund research projects and finance energy innovation and opportunities for Local Electricity Distribution Companies (LDCs) in Ontario. The Fund is designed to support initiatives that enhance the competitiveness and success of LDCs in Ontario. Funding is in the form of non-repayable grants.

Application for funding is open to LDCs, government agencies, academic institutions and others who work in the electricity industry. The MEARIE Group is appointed by the LDC Tomorrow Fund Trustees to act as Fund Manager. Decisions for approval for funding are made by the trustees.

Projects that have been previous funded include:

- **Simplified Bill Project**
- **Market Readiness Audit**
- **Load Shifting Project**
- **Electric Storage Heater Project**
- **Residential “Power Factor” Correction Project**
- **Demand Side Management Feasibility Study**
- **Broadband Powerline/Smart Meter Integration Project**
- **Conservation and Demand Management: Applying the Total Resource Cost Test**

Visit www.mearie.ca to download all final project reports.

LDC TOMORROW FUND NEWSLETTER

This newsletter provides updates on current projects supported by the LDC Tomorrow Fund. It is intended that through these updates, the knowledge and experience gained from the projects are shared with the LDC community and other interested parties.

You can view all previously published newsletters by visiting our web site at www.mearie.ca.



LDC TOMORROW FUND PROJECT UPDATES ISSUE 1
FINANCIAL GRANTS FOR INDUSTRY INNOVATION

OCTOBER 2007

PROJECTS BEING REFINANCED: Introducing Canada's First Plug-in Hybrid Solar Electric Car
*pending shared to include Insurance Co. of Am. details

PLUGGED-IN HYBRID ELECTRIC VEHICLE PROJECT: **Keeps a world where vehicles of all kinds truly have delivery loads, are partially powered by clean sustainable solar power - Global Expansion, Potential & Cost of Vehicle Expansion**
And begins an exciting pilot that can drive energy from the sun or from the grid to smart meters, off-peak electricity in the context of safety technologies. Will also plug in hybrid solar electric vehicle PHEV and help fund to determine from technologies of the future and accelerate opening the door to the new world. The LDC Tomorrow Fund contributed \$25,000 to the effort.
The vehicle was designed to accommodate the following:

LDC GOVERNANCE PROGRAM:

- 1) Show the leadership of the LDC sector and bodies of LDCs in providing energy solutions of business and environmental sustainability. Also set metrics around that would improve the leadership of LDCs.
- 2) Demonstrate a real opportunity to increase LDC revenues through application of all peak battery charge in a clean transportation application.
- 3) Demonstrate the opportunity to reduce a potential application of solar power and address the need for more research into how maximum, more efficient solar technology.
- 4) Help work on the LDC capacity to build machines to enable emergency home backup and get support from the vehicle.

MANAGED BY THE MEARIE GROUP



Issue 1 Program, President & CEO of Ontario Electric, with Canada's first plug-in solar electric car.

HOW TO SUBMIT A PROPOSAL

As the manager of the LDC Tomorrow Fund, the MEARIE Group is pleased to invite applications for funding of projects that will benefit LDCs in Ontario. The process for requesting funding is relatively straight forward provided the criteria as listed below are met.

THE CRITERIA TO EVALUATE PROPOSED PROJECTS TO BE CONSIDERED FOR FUNDING INCLUDES:

1. Applications must be related to the development of commercial opportunities within the electricity market in Ontario.
2. Projects are expected to be beneficial to the majority of LDCs in Ontario over the short and mid-terms in the new competitive market.
3. Projects must represent advancement of technology, procedures, knowledge, and experience.
4. Recipients of funding must be prepared to share results and make presentations on the results of the project.

WHAT TO INCLUDE:

A Project Plan including the following information must be submitted in order for a project to be considered for funding:

- Applicant name
- Location(s) of applicant
- Funding request
- Disbursement timing
- Project description
- Identification of innovative potential
- Financial and other contributions by the applicant
- Deliverables
- Parties involved
- Project benefits to LDCs
- Transferability of results
- Budget for the project
- Other sources of funds
- Identification of commercial opportunities

THE REVIEW PROCESS

The following outlines the complete review process for successful applications. At any stage, the proposal may be returned to the applicant for clarification or more information.

Step 1

- Applicant submits proposal to the Fund Manager
- Initial assessment conducted by the Fund Manager

Step 2

- Fund Manager submits proposal to the Trustees
- Trustees make a decision on the proposal

Step 3

- The Fund Manager informs applicant of the decision
- Agreement developed between Trustees & applicant
- Funds will be authorized for release

FOR MORE INFORMATION ON THE LDC TOMORROW FUND, PLEASE CONTACT HELMAR PRENT, V.P., FINANCIAL AND BUSINESS SOLUTIONS AT (905) 265-5316 OR AT hprent@mearie.ca Visit www.mearie.ca for information



Project Proposal Submitted by:	Project
Halton Hills Hydro	Battery Load Shifting Project
MEARIE Management Inc.	DSM Feasibility Study
MEARIE Management Inc.	LDC Board Governance
Peterborough Distribution Inc.	Electric Storage Heater Project
PUC Distribution Inc.	Broadband Over Powerline Project
Queen’s University	Ice Storm ‘98 Project
Veridian Connections Inc.	Plugged-in Hybrid Electric Vehicle Project
Whitby Hydro Electric Corp.	Power Factor Correction for Residential Units
York University	To assess the impact of the OEB’s Total Resource Cost Test on Conservation and Demand Management Program by LDCs
Electricity Distributors Association	Building Sustainable Communities: The Danish Experience

**For more information on these projects,
visit www.mearie.ca**