



Rouge Valley Foundation

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Peter Evans,
Chief Executive Officer,
Toronto Zoo
361A Old Finch Avenue
Scarborough, ON.
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November 27, 2009

Dear Peter:

On behalf of our Board of Directors, program leaders, volunteers, visiting participants, teachers and interested community people, I extend our immensely thankful appreciation to you and your staff for your special and helpful support to us in our effort to properly prepare our applications to both the City of Toronto and the Ontario Trillium Foundation.

In the cases of both applications, I am most delighted to relate, that both applications have received a favourable evaluation, and in connection with the City of Toronto they have notified us that they will be providing their grant of \$45,000.00. For this result, we are truly indebted and grateful to you and your colleagues at the Toronto Zoo.

The objective of the upgrading of our existing alternative energy program at the Conservation Centre is to bring the energy efficiency of our Centre to higher standard. In our partnership with En-Wise Energy company, the energy efficiency of the Centre was audited and was given a moderate rating. In respect of the education value and the intention of the project to provide current and comprehensive alternative energy knowledge to the general community, we felt committed to undertake the task of bringing the Centre's energy usage to the lowest possible consumption standard.

In discussions with the alternative energy industry, we have learned that more efficient wind and solar means are available, which could bring the energy usage at the Centre to much reduced level. Going forward with this approach, it is possible that the Centre can attain a community-wide status as a teaching facility for alternative energy. We have in the past few years provided our alternative energy educational programs to numerous schools, as well as to some colleges. When the Ministry of Energy launched their alternative Energy program to the community last year, we were given the opportunity by the Ministry to arrange a three day program at the Centre. Companies in the field, school groups and interested community people attended.

The Energy Company we are working with is Efston Science, which is the only company located in the Toronto region which provides these energy systems and construction service. The wind turbine unit we are purchasing is known as a vertical axis turbine, (continued)

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and is completely silent and stable while operating. It is safe in winds up to 140 km/h and is built to withstand severe weather conditions such as frost, snow, ice, sand, and humidity. It is maintenance free and environmentally friendly. It is guaranteed for twenty-five years. Efston Science is located in Mississauga and has been in business for more than 25 years. To make it blend in with its background it can be painted. Or it can be painted showing the Canadian flag or with any other desired effect. The wind turbine system we will be employing is not directionally dependant. This wind turbine will spin regardless of the location because of its unique vertical double helix blade design and low cut in speed. (See photos attached) At present, Efston Science has a large wind turbine available, which they will provide to us at a sizable discount (\$10,000.00), if we commit to the purchase before December 31st of this year. (See later note)

In connection with the solar panels, Efston Science will be providing micro inverter solar panels, which allow each panel to function independently, giving the advantage of being able to monitor each panel separately for electricity output or malfunction or general maintenance. A breakdown in one panel will not affect any of the other panels in the system. The initial stage of our solar system will begin with 4 panels to be followed by an additional 8 panels. Although additional panels can be attached, it is not our intention to add additional panels at this time. The design of the system will provide students, interested community people and others the opportunity to monitor the system and to understand how it works. Any problem with the system will be readily seen and will be repaired at no charge.

The pole which will be used is manufactured in Ontario and is made of spun concrete. The pole can be made in nine different colours, which can be selected to blend in with the background. The top coat is graffiti resistant, and will be set into the ground in an augured 10 feet hole. The pole will be 40 feet above the ground. The wind turbine will be net metered to provide electricity to the Centre first and then to the backup batteries. Once these services are supplied, the energy would be distributed to surrounding community. The solar panels will be grid tied and the energy produced from them will be distributed to the Hydro system.

NB: In connection with the discount being given by Efston Science, they are the Master distributor of the wind turbine and thereby can set the prices. Efston Science has worked with us to acquire the discounted price we are receiving.

We trust that the outline and description of our project is full and complete, however, there might well be thoughts about the project that you would appreciate further explanations. We intend to place the system upon the area set aside for the Centre. Please advise us accordingly and we will meet with you at your convenience to discuss any matter that you might have come to mind.

Your helpful assistance over our years together has been magnificent and we truly thank you.

Sincerely,

Murray Johnston,
President.

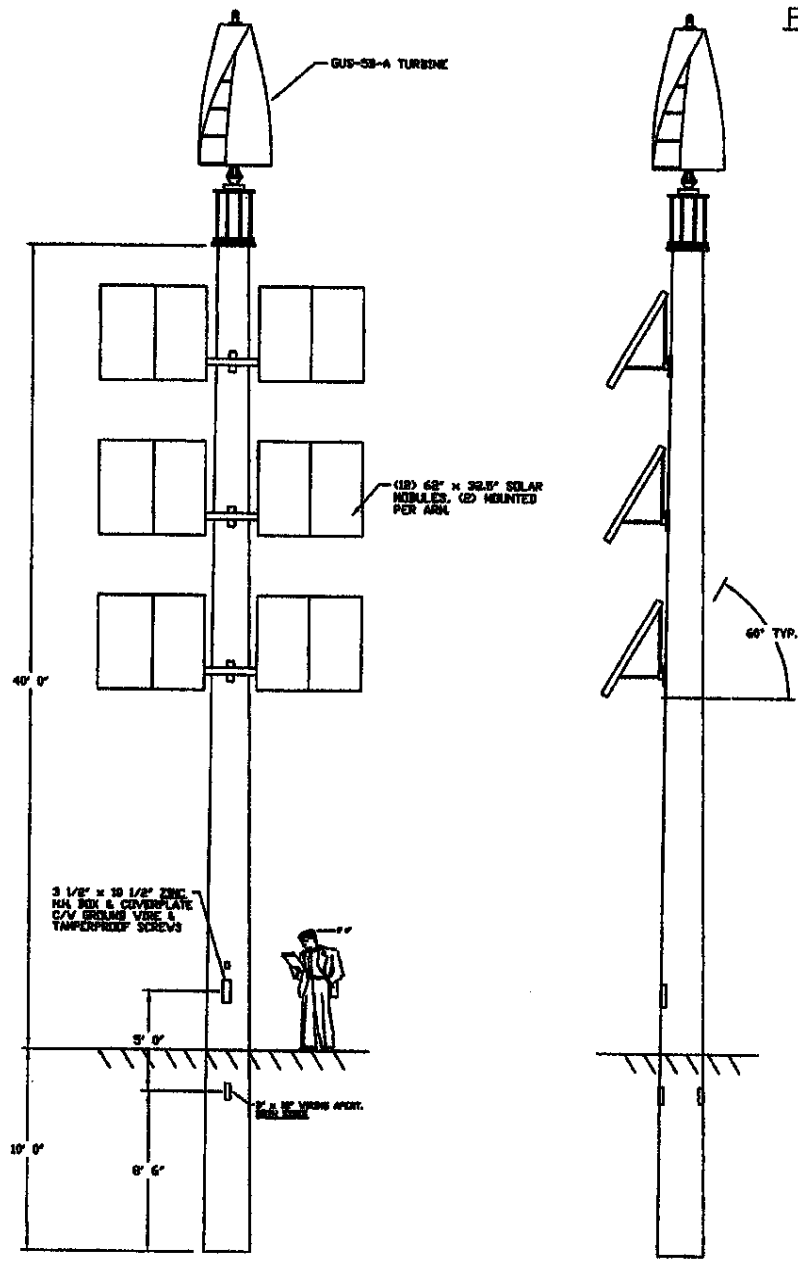
Copy to Robin Hale
Chief Operations Officer



REV.	ALTERATION	DATE	BY

POLE SPECIFICATIONS:

CATALOGUE NO.: E500-MPR-G-E80
S/F GUS5B-A TURBINE & (12) SOLAR MODULES

QUANTITY:
SECTION: ROUND
FINISH: ETCHED
COLOUR: VINTAGE BROWN
POLE TOP: 18 1/4" ϕ
POLE BUTT: 27.22" ϕ
POLE LENGTH: 60' 0"
APPROX. WGT.: T.B.A.



 		<i>Manufacturing Locations:</i> Burlington, Ontario 1-800-268-7809 Northport, Alabama 1-800-435-6563 Atchison, Kansas 1-800-837-1024 Jefferson, Ohio 1-800-268-7809	
King Luminaire • StressCrete • Est. 1953 STRESSCRETE GROUP			
PROJECT/CUSTOMER: ROUGE VALLEY			
DRAWN BY: G.R.	AT: SC1	CHECKED BY:	DATE: 11/09/09
DRAWING TYPE: CONCEPT DRAWING		DRAWING NUMBER: 206A5339-ROUGE	