

\$125,000
FUNDRAISING PROJECT
FOR THE
WINSTON SOLAR SCIENCE LABORATORY



The Winston School
5707 Royal Lane, Dallas, TX 75229

<http://www.winstonsolar.org>

Table of Contents

1. Project Overview
2. Project Budget
3. Proposed Plan and Elevations
4. Time Line
5. The Winston Solar Car Team
6. The Dell-Winston Solar Car Challenge
7. The Australian World Solar Car Challenge
8. More Information

Project Overview

The Winston School Solar Car Team intends to build a new world class car to race in the 2009 Australian World Solar Car Challenge, a grueling 2,000 mile race from Darwin to Adelaide. To assure that the new solar car will endure the 2,000 mile race, it is important that road testing of the new solar car begin in April 2009.

The team currently works in the front driveway of The Winston School adjacent to a storage shed constructed 18 years ago by Winston's first solar car team. Without a proper facility, the team is unable to work in extreme or inclement conditions, making it difficult to complete construction of the new solar car by March 31, 2009.

Preliminary plans for the Winston Solar Science Laboratory, prepared by JCW Architects, call for a 1,200 square foot addition to the existing Levy Learning Center creating a classroom and lab/shop area at a cost of approximately \$88,000 to \$100,000. The new addition will provide the Solar Car Team with the ability to work year-round, regardless of the weather, in a safe environment.

The Solar Car Laboratory will be critical to the successful return for the fourth time to the Australian World Solar Car Challenge, and will position The Winston School as a significant training ground for a new generation of exceptional students having an interest in solar engineering and related technologies.

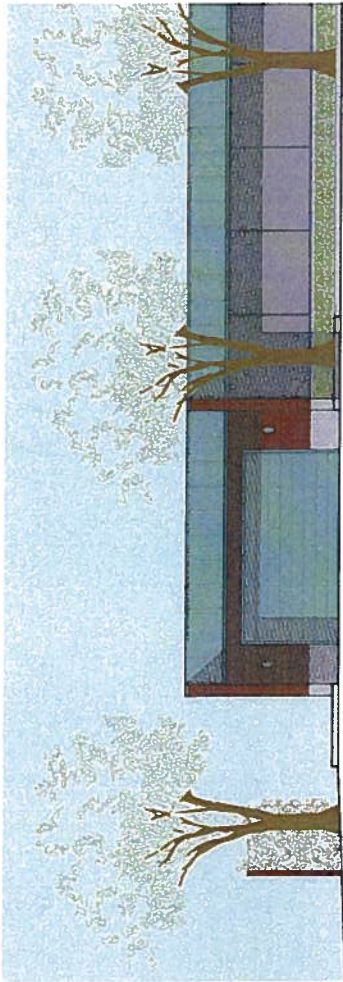
In 2003, the Winston Solar Team became and remains the only high school team to have completed the entire course of the Australian World Solar Car Challenge.

Project Budget

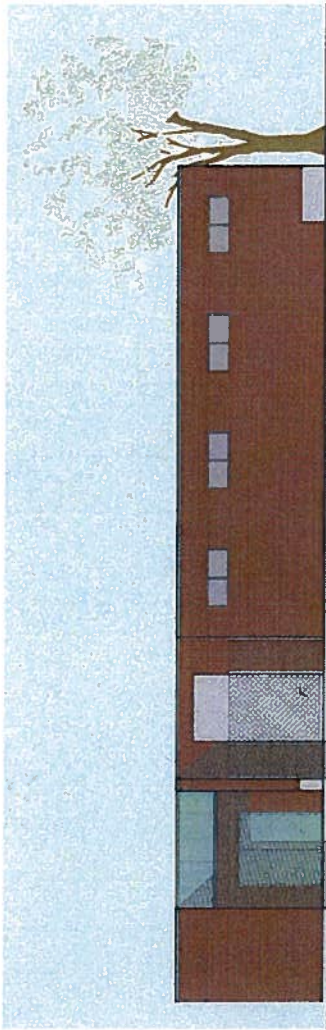
Relocation of HVAC	\$ 9,000
Construction	\$ 84,000
Architect/Engineering Design	\$ 7,000
Fixturing & Equipment	<u>\$ 25,000</u>
Total	\$125,000

Funds pledged as of April 25, 2008:

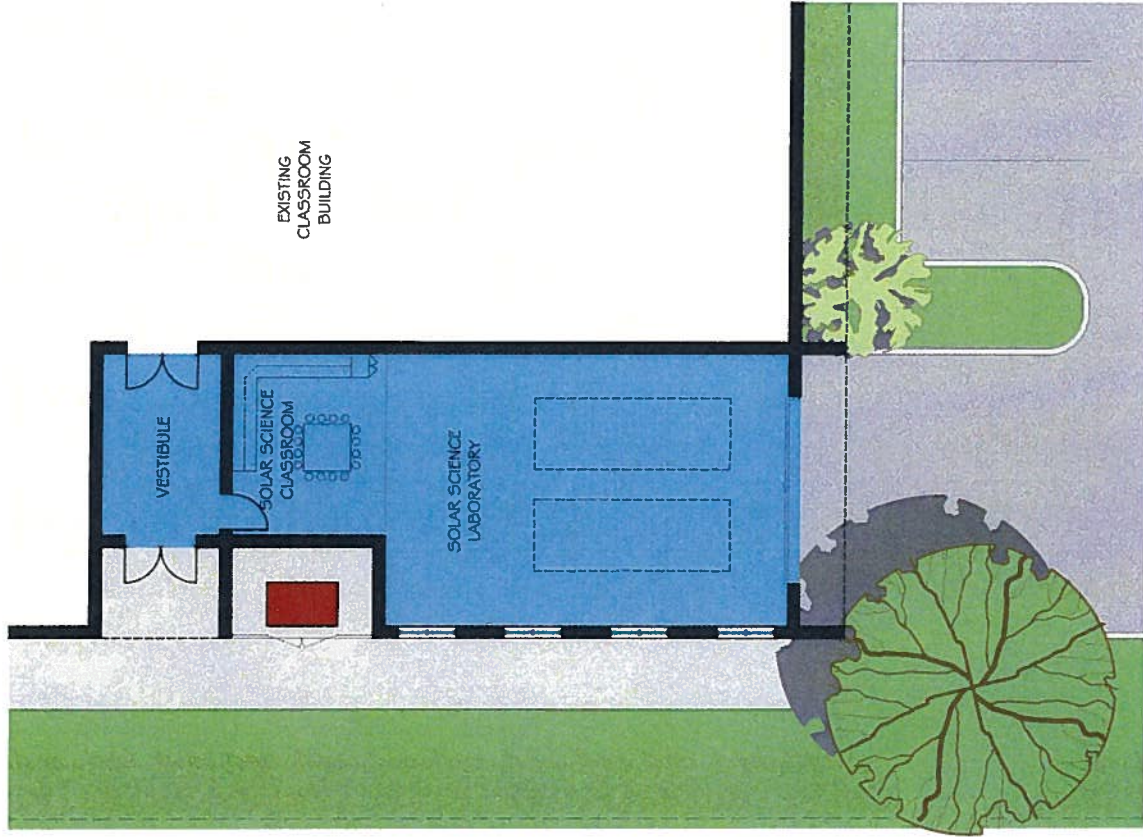
Lightner-Sams Foundation:	\$40,000
Walter Levy and Ann Levy:	\$10,000
Kevin Kadesky:	\$ 5,000
Mike Glass:	\$ 1,000



← NEW ADDITION · EXISTING BUILDING →



← EXISTING BUILDING · NEW ADDITION · COOLING TOWER →



EXISTING CLASSROOM BUILDING

SOLAR SCIENCE LABORATORY - PROPOSED PLAN AND ELEVATIONS

The Winston School

DRAWN: JGF
DATE: MAR 25 2008
PROJECT NUMBER: 0803



0 5 10 20

Time Lines

Construction of Solar Laboratory

05/10/08	Obtain Bids/Contracts
05/20/08	Obtain Building Permits
07/01/08	Demolish Existing Shed; Begin Construction
09/01/08	Complete Construction

Construction of New Solar Car

09/01/08	Begin Construction and Assembly
04/01/09	Begin Road Tests
06/01/09	Extended Tests on Road Course
08/15/09	Deliver Solar Car for Shipping to Australia
10/10/09	Solar Team Departs for Australia

The Winston Solar Car Team

The Winston Solar Team, founded in 1990, is the premier high school solar car team in the United States.



The strength of the program is that it teaches not only great science and engineering, but also teaches other crucial problem-solving skills and “life lessons.” This can be a truly life-altering experience.

Since its inception, the Winston Solar Team has designed, constructed and raced eight solar cars.



More than 500 high schools from 20 countries have taken part in the Winston Solar Car Challenge, hosted by the Winston Solar Car Team



Each member of the Winston Solar Team donates over 200 hour of community service each year by hosting Winston Science, The Winston Solar Challenge, and The Winston Solar Education Workshops.



The Dell-Winston School Solar Car Challenge

Event History

- 1995 A cross country event circling Dallas County
- 1997 A 600-mile cross country event from Dallas, TX to San Antonio, TX
- 1998 Closed Track Event at the Texas Motor Speedway
- 1999 A 1600-mile cross country event from Dallas, TX to Los Angeles, CA
- 2000 Closed Track Event at the Texas Motor Speedway
- 2001 A 1400-mile cross country event from Round Rock, TX to Columbus, IN
- 2002 Closed Track Event at the Texas Motor Speedway
- 2003 A 1600-mile cross country event from Round Rock, TX to Cocoa, FL
- 2004 Closed Track Event at the Texas Motor Speedway
- 2005 A 1600-mile cross country event from Round Rock, TX to Los Angeles, CA
- 2006 Closed Track Event at the Texas Motor Speedway
- 2007 A 2020-mile cross country event from Round Rock, TX to Newburgh, NY



The Dell-Winston School Solar Car Challenge was established in 1998 to help motivate students in science and engineering. In even-numbered years, participants share the fun of a 4-day closed-track race at the world-famous Texas Motor Speedway. In odd-numbered years, the teams drive cross-country to share their projects with millions of people.



Parade Kicks Off "Solar Cup Challenge"

DALLAS (CBS 11 News) — Solar-powered cars paraded with longhorns Sunday in the Fort Worth Stockyards. The parade kicked off the Dell-Winston School's "Solar Cup Challenge."

Fifteen high school teams will spend the next four days racing their solar-powered cars. Some of the student-engineered cars took 18 months to build.

The event encourages children to start thinking about careers in solar technology.

Race Director Dr. Lehman Marks said, "Yes, we are developing new technologies. Yes, it's a great opportunity. But you know, more than anything else, this is an education for the kids. We want to help our kids get good jobs here in this country."

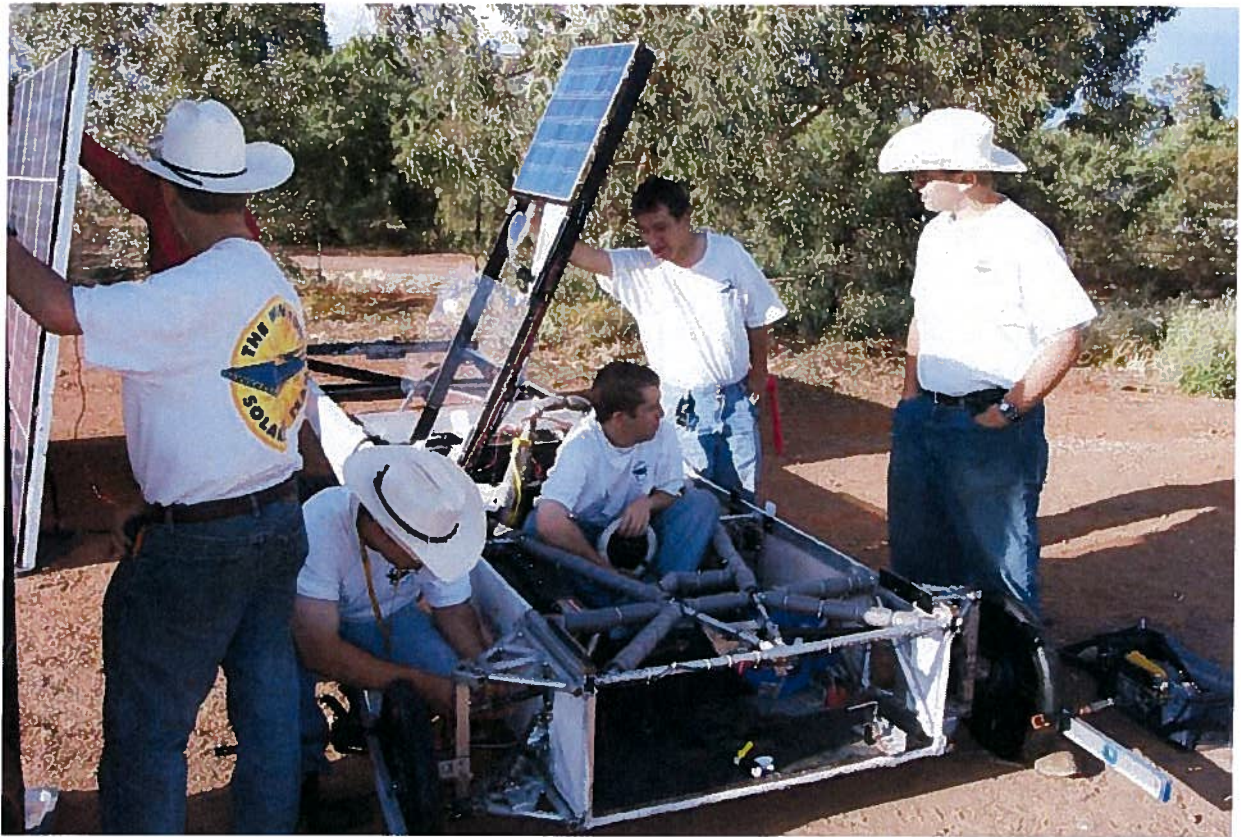
The official race starts tomorrow at Texas Motor Speedway.

(CBS 11 News)

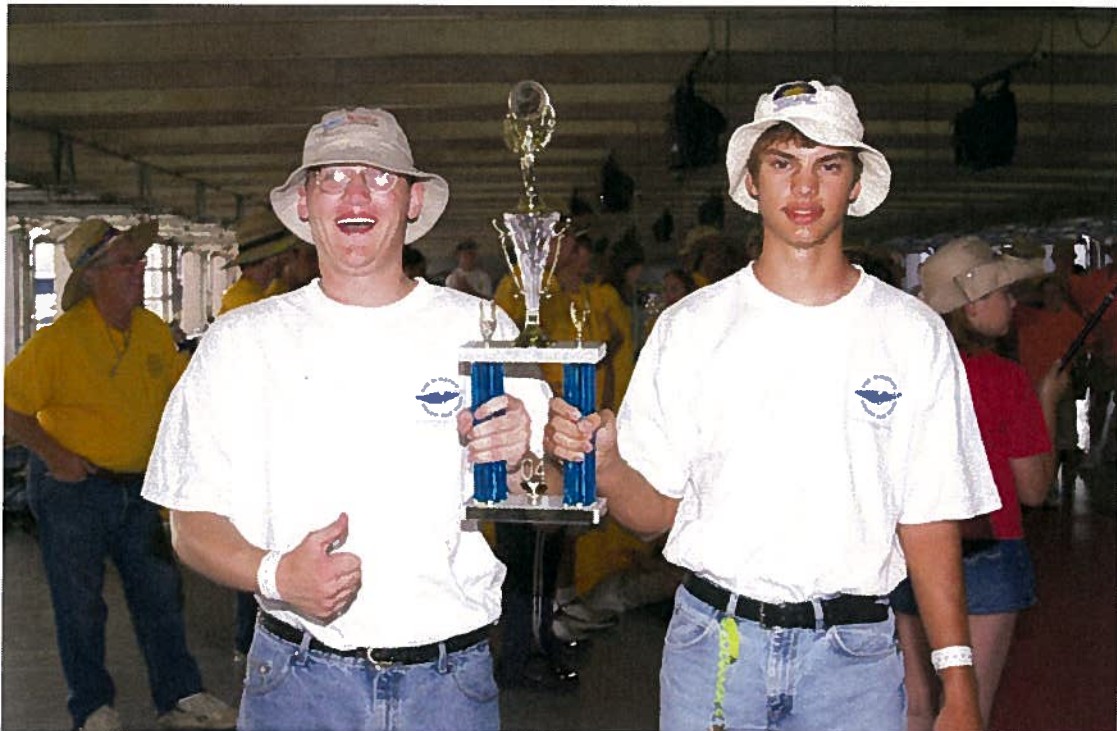
The Australian World Solar Car Challenge

In 2009, the Winston Solar Team will return for the fourth time to the Australian Outback





In the spirit of community service, team members work to help inspire students and to share to excitement of engineering.



More Information

For more information about the Winston Solar Challenge, Winston Science and The Winston School, please visit our web-site at www.winstonsolar.org.



If you would like to meet with members of the Winston Solar Team to see and learn first hand the impact that this program has on these exceptional young men and women, please contact:

Dr. Lehman Marks
Team Advisor
The Winston School
5707 Royal Lane, Dallas, TX 75229
phone: 214.691.6950; fax: 214.691.1509
email: LehmanM743@AOL.com