



Downwinders

reducing toxic air pollution in north texas *at risk*

Applicant Information Form Sue Pope North Texas Pollution Reduction Program

Organization:	Child Study Center
Organization type	Non-Profit Healthcare
Organization Street Address:	1300 West Lancaster Avenue
City, State, Zip	Fort Worth, TX 76102

Project Officer (Title, First, MI, Last, Suffix):		Dr. Joyce Elizabeth Mauk, M.D.			
Phone— extension	817-390-2804	Fax	817-870-2116	Email	jmauk@cscfw.org
Project Name		Child Study Center Capital Project			
Location of Project		Building-wide upgrade, Child Study Center, 1300 West Lancaster, Fort Worth, TX 76102			
Project Start Date (MM/DD/YYYY)		04/01/2009			
Project End Date (MM/DD/YYYY)		03/31/2010			

BUDGET: Please summarize your budget request in the space provided. You should also provide a more detailed budget in your preproposal.

Line Item	Requested Funds	Matching Funds
Salaries and Benefits		
Equipment—Energy Efficient updated light fixtures	\$52,446	
Other:		
Total:	\$52,446	

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SUE POPE FUND A PROJECT OF DOWNWINDERS AT RISK

Grant Pre-Proposal

On behalf of the children and families served daily, the Child Study Center Board of Directors requests a grant from the Sue Pope Fund in the amount of \$52,446 to benefit the Child Study Center by retrofitting outdated lighting fixtures with upgraded energy-efficient models. This gift will help ensure that all children with developmental disabilities continue to receive the important diagnostic and treatment services they need to reach their potential. The Child Study Center provides diagnosis and treatment services to children who have or are at risk for developmental disabilities and related behavioral and emotional problems so that these children may achieve their full potential.

Child Study Center has been in existence for 47 years and has helped over 80,000 children with developmental disabilities. Thanks to decisions made in the mid-1900s, thousands of children have been able to reach their potential. The Center has been fortunate enough to play a part in these children's success.

- As a vulnerable, under-served population, children with developmental disabilities have fought long and hard to achieve their potential in life.
- They have often known the pain of not receiving necessary healthcare options although they are important and close to the hearts of those who care.
- In 1959, a handful of medical, religious and civic leaders shared a vision to correct this inaccuracy and allow these children a semblance of normalcy.
- They formed a committee to combine the resources under one roof needed for the diagnosis and treatment of children with developmental disabilities.
- Community leaders ardently sought a place where doctors could concentrate on the whole child when evaluating developmental disabilities.



These children need your help to reach their potential!

The obvious answer to this problem was a diagnostic facility designed to look past a single symptom into the complex whole problem. They envisioned a place where treatment plans would involve physicians, families, other specialties and educators together. Rabbi Robert Schur headed the committee that rallied the community to make this dream a reality. The first step was to merge the Fort Worth Society for Crippled Children and United Cerebral Palsy facilities (along with several other agencies) to form the newly created Child Study Center. This was the beginning of the Child Study Center in Fort Worth, Texas, and the first patient received services on June 5, 1962. It was truly a revolutionary concept, and its successful realization has served as the paradigm for many similar facilities over the years. Success became evident for these

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children as clinicians were able to understand each child in the complete context of his or her environment.



Vital statistics taken from client on follow-up visit.

Now, it is the Center, itself, that needs help. Many integral parts of the building are showing their age. Not the least of which is the currently outdated light fixtures that use an enormous amount of energy—simply due to their age. These fixtures must be replaced to meet current energy standards. There are 874 light fixtures in the Center that need to be replaced.

The entire project will cost \$65,975. We have subtracted the incentive of \$13,529 to be given by TXU to retrofit the lighting fixtures. As a result, to update all of the lights will cost \$52,446. With 17 percent of all electricity used by businesses going to lighting, successful modernization of these important items will help to reduce Child Study Center's energy costs in addition to offering good stewardship of the environment on our part. The ratio of energy usage reduction to project costs is 3.44 Lighting only and 4.33 Lighting and HVAC energy savings. These figures show the simple payback breakdown:

- The light fixtures will pay for the initial costs in just over two years.
- Lighting (Energy and Demand) – 2.51 Years
- Lighting (Energy and Demand) and HVAC – 2.09 Years
- Lighting (Energy and Demand), HVAC and Maintenance Savings – 1.95 Years

As for saving on emissions that pollute our environment, this upgrade will decrease the amounts of nitrogen oxide, carbon dioxide and sulfur dioxide in the air we breathe by 36 percent. Another advantage is that we will be able to significantly reduce the amount of smog in the north central Texas area. In so doing, Child Study Center will be contributing to the betterment of air quality for any community downwind of the Fort Worth area. The project work would begin immediately upon receiving the funds designated to the retrofitting project. The light fixtures will be replaced one by one, taking down the old and replacing with the new energy-efficient fixtures by qualified technicians.

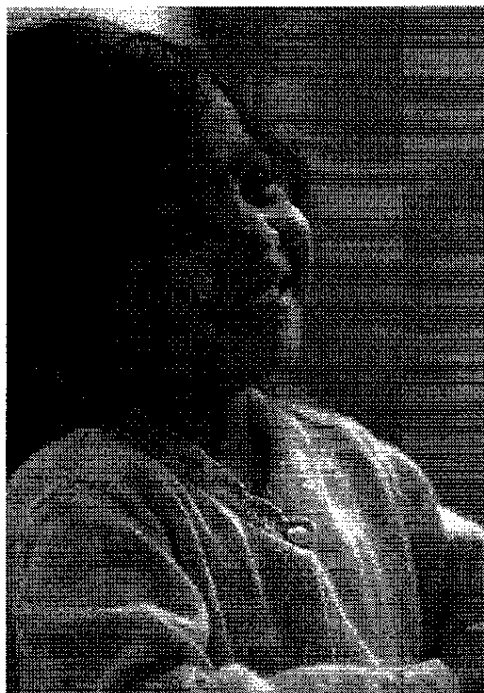
The resulting influence from actions taken now to reverse negative emissions will be felt the most by children with developmental disabilities who come to Child Study Center.

- Client families seek diagnostic evaluation through the Pediatric, Psychology, NIGrads Follow-up Clinic, Autism Services or Jane Justin School for children with developmental behaviors.
- Also located within the Center are supplemental services Cook Children's Health Care System (which include speech and language evaluation and treatment, audiological evaluation, pediatric genetics, and occupational/physical therapy) and the Association of Retarded Citizens.

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- Most of the children we see have multiple disabilities and are able to find the right help in one location.
- These children are often from low-income families and fit into the historically disadvantaged group category.
- They will be treated to cleaner air quality when visiting Child Study Center after the upgrade.
- All children will benefit from this retrofitting project.
- One hundred percent of this grant request is to be used for the lighting fixture updates.

Child Study Center has a wide reach in helping clients achieve their potential. These children came from Tarrant and 64 other North Central Texas counties, with the largest percentage residing in Tarrant County. The ethnic breakdown of children seen at the Child Study Center (2006 statistics) includes 63 percent, Caucasian; 18 percent, Hispanic; 14 percent African American; and 5 percent "Other", closely mirroring Tarrant County population's ethnic breakdown.



With your help, this child will breathe a little easier with fewer emissions of NOx in the air.

The staff of the Child Study Center knows the importance of intervention for children with developmental differences. According to the latest statistics from the Texas Department of Health, approximately 78 babies are born each day in Tarrant County. For those 78 families, this is an exciting day—one they have been looking forward to for several months—their new baby has finally arrived. Fortunately, most of those babies will grow and develop normally. However, the lives of at least 15 percent, or 12, of those babies will be affected by developmental disabilities. As such, there will never be a day that someone does not contact Child Study Center for help with his or her child's developmental disability.

Developmental issues encompass a broad area that includes everything from mental retardation, genetic abnormalities, speech and hearing problems, orthopedic issues and severe learning problems such as autism, dyslexia and attention deficit disorders. Any baby can be affected, but the problem is more prevalent among the poor, where the mother is less likely to receive adequate prenatal care, an appropriate diet and to provide a stimulating environment for the child. The goal of the Child Study Center is to assure that each child with developmental disabilities receives the treatment he or she needs. Children who reach their full potential are more likely to adapt and succeed in life. Those children who do not receive treatment for their disabilities are at high risk of school failure and other serious life problems. Child Study Center is grateful for the opportunity to help bring these children to their potential.

Environmental data for north central Texas shows the need to reduce NOx emissions. Changing outdated fluorescent lighting fixtures and retrofitting with new, energy-efficient

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equipment is something that we can do to help not only the Center but also its client families and the environment. This timely opportunity for educational awareness will be a great teaching opportunity for the Jane Justin School at the Child Study Center. Explanation of the actions will be two-fold. We plan to email educational information to the parents of Jane Justin School children to inform them of the benefit of the new light fixtures to them as well as what they can do on their own for the environment. We will be making an informative, detailed poster to exhibit the importance of this project in the Center. The effect of this action will last for years to come. We would welcome the opportunity to work with the Sue Pope Fund in bringing cleaner air and increased energy-efficiency to our space in north central Texas.