

APPLICATION FOR FEDERAL ASSISTANCE

	2. DATE SUBMITTED 05-18-04	Applicant Identifier
1. TYPE OF SUBMISSION: Application <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Non-Construction	3. DATE RECEIVED BY STATE	State Application Identifier
Preapplication <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Non-Construction	4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier CHI1230

5. APPLICANT INFORMATION

Legal Name: Iowa Child Institute	Organizational Unit: Administrative Office
Address (give city, county, State, and zip code): 1533 Linden Street, Suite 200 Des Moines, Iowa 50309-3121 Polk County	Name and telephone number of person to be contacted on matters involving this application (give area code) David Oman 515-243-9300

6. EMPLOYER IDENTIFICATION NUMBER (EIN): 42-1506245	7. TYPE OF APPLICANT: (enter appropriate letter in box) <div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">N</div>
---	---

8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other(specify): _____	A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District	H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) 501 (c) 3
---	---	---

	9. NAME OF FEDERAL AGENCY: U.S. Department of Energy
--	--

10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: 81-049 TITLE: _____	11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Iowa Environmental Education Project
---	--

12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): State Of Iowa	
---	--

13. PROPOSED PROJECT	14. CONGRESSIONAL DISTRICTS OF:	
Start Date Ending Date 2/4/04 12/31/04	a. Applicant Iowa CD3	b. Project Iowa CD2

15. ESTIMATED FUNDING:	16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?																																																																																
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">a. Federal</td> <td style="width:10%;">\$</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right;">48,305,000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>b. Applicant</td> <td>\$</td> <td></td> <td style="text-align: right;">00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c. State</td> <td>\$</td> <td></td> <td style="text-align: right;">38,000,000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>d. Local</td> <td>\$</td> <td></td> <td style="text-align: right;">20,000,000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>e. Other</td> <td>\$</td> <td></td> <td style="text-align: right;">75,000,000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>f. Program Income</td> <td>\$</td> <td></td> <td style="text-align: right;">00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>g. TOTAL</td> <td>\$</td> <td></td> <td style="text-align: right;">181,305,000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	a. Federal	\$												48,305,000							b. Applicant	\$		00							c. State	\$		38,000,000							d. Local	\$		20,000,000							e. Other	\$		75,000,000							f. Program Income	\$		00							g. TOTAL	\$		181,305,000							a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____ b. No. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
a. Federal	\$																																																																																
			48,305,000																																																																														
b. Applicant	\$		00																																																																														
c. State	\$		38,000,000																																																																														
d. Local	\$		20,000,000																																																																														
e. Other	\$		75,000,000																																																																														
f. Program Income	\$		00																																																																														
g. TOTAL	\$		181,305,000																																																																														

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
--	--

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

a. Type Name of Authorized Representative David Oman	b. Title Chief Administrator	c. Telephone Number (515) 243-9300
d. Signature of Authorized Representative 		e. Date Signed 5-18-04

1. PROGRAM/PROJECT IDENTIFICATION NO. Federal Identifier CH11230		2. PROGRAM/PROJECT TITLE Iowa Environmental Education Project	
3. NAME AND ADDRESS Iowa Child Institute 533 Linden Street, Suite 200 Des Moines, Iowa 50309-3121 Polk County		4. PROGRAM/ PROJECT START DATE 8/16/2004	
		5. COMPLETION DATE 12/31/2005	

SECTION A - GENERAL

1. Federal Domestic Assistance Catalog No. _____
2. Functional or Other Breakout _____

SECTION B - CALCULATION OF FEDERAL AWARD

Cost Classification	Use Only for Revisions		Total Amount Required
	Latest Approved Amount	Adjustment + or (-)	
1. Administration Expense			1,485,080
2. Preliminary Expense			0
3. Land, Structures, Right-of-way			0
4. Architectural Engineering Basic Fees			0
5. Other Architectural Engineering Fees			0
6. Project Inspection Fees			0
7. Land Development			0
8. Relocation Expenses			0
9. Relocation Payments to Individuals and Businesses			0
10. Demolition and Removal			0
11. Construction and Project Improvement			0
12. Equipment			0
13. Miscellaneous (Subcontracts)			46,688,412
14. Total (Lines 1 through 13)			48,153,492
15. Estimated Income (if applicable)			0
16. Net Project Amount (Line 14 minus Line 15)			48,153,492
17. Loss: Ineligible Exclusions			0
18. Add: Contingencies (10% of Admin)			148,508
19. Total Project Amount (Excluding Rehabilitation Grants)			48,300,000
20. Federal Share Requested of Line 19			48,300,000
21. Add Rehabilitation Awards Requested (100%)			0
22. Total Federal Award Requested (Lines 20 & 21)			48,300,000
23. Awardee Share			0
24. Other Shares			0
25. Total Project (Lines 22, 23 & 24)			48,300,000

Form 4700 Notes to Prime: Iowa Child Foundation

The following is the anticipated schedule for Prime draws on the DOE grant by quarter.

	From/To						Total
	1-Jun-04 31-Aug-04	1-Sep-04 30-Nov	1-Dec-04 28-Feb	1-Mar-05 31-May-05	1-Jun-05 31-Aug-05	1-Sep-05 30-Nov-05	
ADMINISTRATION							
President	48,750	62,833	65,000	65,000	65,000	68,250	374,833
Vice President - Project Planning	13,000	15,600	16,120	16,380	16,380	16,380	93,860
Vice President - Development		30,000	30,000	30,000	30,000		120,000
Vice President - Science Education	16,333	45,500	45,500	45,500	47,017	15,925	215,775
Financial	13,738	15,000	26,667	32,500	32,500	32,500	152,904
Communications		19,500	19,500	19,500	19,500	19,500	97,500
Administrative Assistant	8,125	9,750	10,075	10,238	10,238	10,238	58,663
Accounting	3,000	6,000	6,000	6,000	6,000	6,000	33,000
Energy	30,000	30,000	30,000	10,000	10,000	10,000	120,000
Environmental		7,500	7,500	7,500	7,500	7,500	37,500
Rent		8,400	8,400	8,400	8,400	8,400	42,000
Legal	6,000	6,000	6,000	6,000	6,000	6,000	36,000
Travel	40,385	8,532	8,532	8,532	8,532	8,532	83,045
Administration Subtotal	179,331	264,815	279,294	265,550	267,066	209,225	1,465,080
CONTINGENCY							
10% of Administration Budget	17,933	26,462	27,929	26,555	26,707	20,922	146,508
TOTAL FOR PRIME DIRECT							
	197,264	291,077	307,223	292,104	293,773	230,147	1,611,588

1. PROGRAM/PROJECT IDENTIFICATION NO. Federal Identifier CH11230		2. PROGRAM/PROJECT TITLE Iowa Environmental Education Project	
3. NAME AND ADDRESS Chermayeff, Sollogub and Poole, Inc 51 Melcher Street, 9th Floor Boston, MA 02210		4. PROGRAM/PROJECT START DATE 8/15/2004	
		5. COMPLETION DATE 11/1/2005	

SECTION A - GENERAL

1. Federal Domestic Assistance Catalog No. _____

2. Functional or Other Breakout

SECTION B - CALCULATION OF FEDERAL AWARD

Cost Classification	Use Only for Revisions		Total Amount Required
	Latest Approved Amount	Adjustment + or (-)	
1. Administration Expense			
2. Preliminary Expense			0
3. Land, Structures, Right-of-way			0
4. Architectural Engineering Basic Fees			2,382,645
5. Other Architectural Engineering Fees			3,919,000
6. Project Inspection Fees			0
7. Land Development			0
8. Relocation Expenses			0
9. Relocation Payments to Individuals and Businesses			0
10. Demolition and Removal			0
11. Construction and Project Improvement			0
12. Equipment			0
13. Miscellaneous (Subcontractors)			9,200,000
14. Total (Lines 1 through 13)			15,501,645
15. Estimated Income (if applicable)			0
16. Net Project Amount (Line 14 minus Line 15)			15,501,645
17. Less: Ineligible Exclusions			0
18. Add: Contingencies			1,550,185
19. Total Project Amount (Excluding Rehabilitation Grants)			17,051,810
20. Federal Share Requested of Line 19			17,051,810
21. Add Rehabilitation Awards Requested (100%)			0
22. Total Federal Award Requested (Lines 20 & 21)			17,051,810
23. Awardee Share			0
24. Other Shares			0
25. Total Project (Lines 22, 23 & 24)			17,051,810

Form 4700 Notes to Subcontractor 1: Chermayeff, Sollogub and Poole, Inc. (CSP)

General: CSP will be contracted to perform the primary Architectural Design and Engineering Functions for the Project. The following is the anticipated schedule for draws on the DOE grant by quarter.

	From/To					Total
	1-Jun-04 31-Aug-04	1-Sep-04 30-Nov	1-Dec-04 28-Feb	1-Mar-05 31-May-05	1-Jun-05 31-Aug-05	
Architecture/ Engineering Basic Fees	453,000	593,000	659,000	593,000	84,645	2,382,645
Other Architectural/ Engineering Fees	728,000	776,000	863,000	776,000	776,000	3,919,000
TOTAL	1,181,000	1,369,000	1,522,000	1,369,000	860,645	6,301,645

1. Basic Architectural and Engineering Fees are based upon services as described in the standard B 141 contract as drafted by the American Institute of Architects.

2. Other Architectural and Engineering Fees include expanded services outside the realm of the standard B 141, and related to exhibit/habitat design, start-up services, and management services.

3. Consultants employed by the subcontractor will include:

- * Structural Engineers
- * Building Envelope Engineers
- * Mechanical Engineers
- * Electrical Engineers
- * Plumbing Engineers
- * Fire Protection Engineers
- * Life Support Systems Designer
- * Life Support Systems Engineers
- * Start-Up Consultant
- * Management Consultant
- * Civil Engineers
- * Landscape Architects
- * Exhibit Consultants
 - * Audio/Visual
 - * Soundscape
 - * Graphics
 - * Lighting
- * Habitat Consultants
 - * Rainforest Ecology
 - * Planting and Horticulture
 - * Landscape Design
 - * Botanist
 - * Animal Husbandry
 - * Mammals
 - * Reptiles and Amphibians
 - * Birds
 - * Insects and Invertebrates
 - * Aquatic Animals
- * Code Consultant
- * Life Safety Consultant
- * Retail Designers
- * Food Service Designers
- * Lighting Designers
- * Specifications Consultant
- * Cost Estimators
- * Professional Models

1. PROGRAM/PROJECT IDENTIFICATION NO. Federal Identifier CH11230	2. PROGRAM/PROJECT TITLE Iowa Environmental Education Project
3. NAME AND ADDRESS Weitz/Turner Inc. 5901 Thornton Ave. Des Moines, Iowa 50321-2403	4. PROGRAM/PROJECT START DATE 8/15/2004
	5. COMPLETION DATE 11/30/2008

SECTION A - GENERAL

1. Federal Domestic Assistance Catalog No. _____

2. Functional or Other Breakout _____

SECTION B - CALCULATION OF FEDERAL AWARD

Cost Classification	Use Only for Revisions		Total Amount Required
	Latest Approved Amount	Adjustment + or (-)	
1. Administration Expense			0
2. Preliminary Expense			1,400,000
3. Land, Structures, Right-of-way			0
4. Architectural Engineering Basic Fees			0
5. Other Architectural Engineering Fees			0
6. Project Inspection Fees			0
7. Land Development			0
8. Relocation Expenses			0
9. Relocation Payments to Individuals and Businesses			0
10. Demolition and Removal			0
11. Construction and Project Improvement			720,000
12. Equipment			0
13. Miscellaneous (Subcontractors)			27,516,603
14. Total (Lines 1 through 13)			29,636,603
15. Estimated Income (if applicable)			0
16. Net Project Amount (Line 14 minus Line 15)			29,636,603
17. Less: Ineligible Exclusions			0
18. Add: Contingencies			
19. Total Project Amount (Excluding Rehabilitation Grants)			29,636,603
20. Federal Share Requested of Line 19			29,636,603
21. Add Rehabilitation Awards Requested (100%)			0
22. Total Federal Award Requested (Lines 20 & 21)			29,636,603
23. Awardee Share			0
24. Other Shares			0
25. Total Project (Lines 22, 23 & 24)			29,636,603

1. PROGRAM/PROJECT IDENTIFICATION NO. Federal Identifier CH11230		2. PROGRAM/PROJECT TITLE Iowa Environmental Education Project	
3. NAME AND ADDRESS Iowa Child Institute 533 Linden Street, Suite 200 Des Moines, Iowa 50309-3121 Polk County		4. PROGRAM/PROJECT START DATE 8/16/2004	
		5. COMPLETION DATE 12/31/2006	

SECTION A - GENERAL

1. Federal Domestic Assistance Catalog No. _____
2. Functional or Other Breakout _____

SECTION B - CALCULATION OF FEDERAL AWARD

Cost Classification	Use Only for Revisions		Total Amount Required
	Latest Approved Amount	Adjustment + or (-)	
1. Administration Expense			1,465,080
2. Preliminary Expense			0
3. Land, Structures, Right-of-way			0
4. Architectural Engineering Basic Fees			0
5. Other Architectural Engineering Fees			0
6. Project Inspection Fees			0
7. Land Development			0
8. Relocation Expenses			0
9. Relocation Payments to Individuals and Businesses			0
10. Demolition and Removal			0
11. Construction and Project Improvement			0
12. Equipment			0
13. Miscellaneous (Subcontracts)			46,688,412
14. Total (Lines 1 through 13)			48,153,492
15. Estimated Income (if applicable)			0
16. Net Project Amount (Line 14 minus Line 15)			48,153,492
17. Less: Ineligible Exclusions			0
18. Add: Contingencies (10% of Admin)			146,508
19. Total Project Amount (Excluding Rehabilitation Grants)			48,300,000
20. Federal Share Requested of Line 19			48,300,000
21. Add Rehabilitation Awards Requested (100%)			0
22. Total Federal Award Requested (Lines 20 & 21)			48,300,000
23. Awardee Share			0
24. Other Shares			0
25. Total Project (Lines 22, 23 & 24)			48,300,000

Notes to Subcontractor 2: Weitz-Turner

General: Weitz-Turner will be contract to perform the actual construction of the project.
The following is the anticipated schedule for Weitz-Turner draws on the DOE grant by quarter.

	From/To						Total
	1-Jun-04 31-Aug-04	1-Sep-04 30-Nov	1-Dec-04 28-Feb	1-Mar-05 31-May-05	1-Jun-05 31-Aug-05	1-Sep-05 30-Nov-05	
Preliminary Expenses							
Pre-Construction Expenses	\$ 150,000	\$ 150,000	\$ 150,000	\$ 950,000			\$ 1,400,000
(Includes \$800K Permits, Ins. And Bonds in 05)							0
Construction and Project Improvement							0
Overhead/Fee/Profit				240,000	240,000	240,000	720,000
Subcontractors							
Superstructure				3,184,000	7,500,000	1,689,603	12,373,603
Foundations				2,180,000	4,000,000		6,180,000
Interior Construction					1,113,000		1,113,000
Plumbing and FP				580,000			580,000
Electrical				500,000	650,000		1,150,000
Site Work				3,800,000	1,000,000		4,800,000
General Construction				440,000	440,000	440,000	1,320,000
Subtotal Subcontractors	\$ -	\$ -	\$ -	\$ 10,684,000	\$ 14,703,000	\$ 2,129,603	\$ 27,516,603
Total	150,000	150,000	150,000	11,874,000	14,943,000	2,369,603	29,636,603

1. Construction costs are estimates by Weitz-Turner based on current design specifications.

2. Consultants employed by the subcontractor will include:

- * Pre-Construction (Weitz-Turner)
- * Steel Fabrication
- * Excavation/Concrete Placement
- * Plumbing Engineers
- * Electrical/Mechanical
- * Construction Manager

DEPARTMENT OF ENERGY
 FY 2004 BUDGET REQUEST
 (Tabular dollars in thousands. Narrative material in whole dollars.)

CONSTRUCTION PROJECT DATA SHEET

1. Title and Location of Project::

2. Project No.

Iowa Environmental/ Education Project
 Coralville, Iowa

3. Date A/E work initiated: 2Q 2001 (on
 present iteration)

5. Previous Cost Estimate:

3a. Date physical construction starts: 2Q 2005

6. Current Cost Estimate: \$180M – incl. land

4. Date construction ends: 3Q 2008

7. Financial Schedule:

<u>Fiscal Year</u>	<u>Authorization</u>	<u>Appropriation</u>	<u>Obligations</u>	<u>Costs</u>
--------------------	----------------------	----------------------	--------------------	--------------

There is no FY limitation to this DOE grant.

CONSTRUCTION PROJECT DATA SHEET

1. Title and Location of Project:

Iowa Environmental/ Education Project
Coralville, Iowa

8. Brief Physical Description of Project:

The Environmental Project will be the U.S. equivalent of The Eden Project in the U.K. It will transform a 30 acre EPA Brownfield site located in Coralville, Iowa adjacent to I-80 and the Iowa River. The project includes a 4.5 acre indoor tropical rain forest, a 1.2M gallon aquarium, a 54,000 thousand square feet educational center, galleries on the prairie ecosystem, Midwest geology, and agriculture. The project budget is \$180M, funded through a combination of public and private sources. Groundbreaking will be 4Q 2004; opening 2Q 2008. Additional information can be found at: www.iowachild.org.

CONSTRUCTION PROJECT DATA SHEET

1. Title and Location of Project:

Iowa Environmental/ Education Project
Coralville, Iowa

9. Purpose, Justification of Need for, and Scope of Project:

The Iowa Environmental/ Education Project will be among the largest 'green' buildings in the U.S., using several alternative and renewable energy sources, likely to include fuel cell and geo-thermal technology, as well as solar and wind energy.

Additionally, the project will serve as a platform for learners of all ages on sustainability and environmental ethics. Learning elements of the project (on site and distributed via the Internet) have been mapped under a 2001-2002 grant from the U.S. Department of Education.

CONSTRUCTION PROJECT DATA SHEET

1. Title and Location of Project:

Iowa Environmental/ Education Project
Coralville, Iowa

10. Details of Cost Estimate:

	<u>Item Cost</u>	<u>Total Cost</u>
a. Engineering design and inspection costs	\$	\$ 24,200,000
b. Construction costs		102,700,000
(1) Improvements to Land and Demolition00	
(2) Building Construction	100,500,000	
(3) Utilities, including electric power, water, sanitary sewer	Inc. in 10.b.2	
(4) Standard Equipment, including furniture	2,200,000	
c. Special Equipment00
d. Contingency.....		3,605,000
Total Estimated Project Cost		\$130,505,000

CONSTRUCTION PROJECT DATA SHEET

1. Title and Location of Project:

Iowa Environmental/ Education Project
Coralville, Iowa

11. Method of Performance:

The President is accountable for reviewing the progress related to subcontractors. An estimated timeline to which performance will be measured and reported is attached.

	2004	2005	2006	2007	2008
Education Planning	Done				
Land Acquisition	In Progress				
Financing	In Progress				
Construction Planning / Schematic Design					
Groundbreaking / Site Work					
Construction					
Plant Acquisition					
Exhibit Construction					
Plant Installation/ Animal Introduction					
Public Visits to Construction Site					
Opening					
Expansion					2013