

**RESOLUTION TO APPROVE
THE EXECUTION OF A CONTRACT BETWEEN
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS AND
THE SPRINGFIELD-SANGAMON COUNTY REGIONAL PLANNING COMMISSION**

WHEREAS, the Springfield-Sangamon County Regional Planning Commission (SSCRPC) wishes to employ the Land Use Evolution and Impact Assessment Model (LEAM) developed and maintained by the Department of Urban and Regional Planning of the University of Illinois to assist in the development local comprehensive land use plans; and

WHEREAS, the LEAM model is the property of the University of Illinois; and

WHEREAS, the Springfield-Sangamon County Regional Planning Commission will provide \$20,000.00 to the Board of Trustees of the University of Illinois for this service; and

WHEREAS, funding for this contract is available using Federal Transportation Planning funds and its previously committed match, and is included in the Springfield-Sangamon County Regional Planning Commission's approved FY-2016 Budget.

NOW THEREFORE BE IT RESOLVED by the members of the Finance Committee of the Sangamon County Board in session this 26th day of July, 2016, that the execution of a contract between the Springfield-Sangamon County Regional Planning Commission and the Board of Trustees of the University of Illinois is hereby approved.

Sam Marshall
St. Mentemba
Lori Williams
Dee Kees
Cathy Scife

Rose Regis
John B. D. D.
John B. B.
Gregory
W. D. D.
T. Smith

RECEIVED
2660

JUL 20 2016

Andy Goleman
SANGAMON COUNTY AUDITOR

FILED

JUL 27 2016

Don Hays
Sangamon County Clerk

**AN AGREEMENT BETWEEN THE SPRINGFIELD-SANGAMON COUNTY REGIONAL PLANNING
COMMISSION AND THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
FOR
TECHNICAL TESTING SERVICES (\$10,000 OR MORE)**

This Technical Testing Services Agreement is between The Board of Trustees of the University of Illinois, a body corporate and politic organized and existing under the laws of the State of Illinois and doing business on its Urbana-Champaign campus through the Office of Sponsored Programs ("UNIVERSITY"), and *Springfield-Sangamon County Regional Planning Commission*, with its principal office at **200 South 9th Street, Springfield, Illinois 62701-1629** ("COMPANY").

INTRODUCTION

COMPANY has identified a need to conduct certain tests that: (a) require use of unique or special UNIVERSITY facilities that either do not exist elsewhere or are not readily accessible; and (b) involve established, pre-existing methods of a primarily technical nature; and (c) do not require original, creative research ("Technical Tests"); and

COMPANY has determined that it cannot obtain equivalent Technical Tests from a commercial COMPANY; and

UNIVERSITY, through its *Department of Urban & Regional Planning*, has determined that UNIVERSITY's performance of the Technical Tests is justified under *The General Rules Concerning University Organization and Procedure*.

TERMS OF AGREEMENT

1. PERFORMANCE OF TECHNICAL TESTING SERVICES

1.1. TECHNICAL TESTING SERVICES. UNIVERSITY, through its faculty and staff, will perform the specific Technical Tests prescribed in the statement of work titled *An Application of the Land Use Evolution and Impact Assessment Model (LEAM) to the Sangamon County Region in Illinois* and attached as Exhibit A (Scope of Work), which identifies the specific testing methods and unique UNIVERSITY equipment/facilities to be used and the objectives to be achieved ("Services"). UNIVERSITY will perform the Services in accordance with standards appropriate to an institution of higher education.

1.2. TEST RESULTS. UNIVERSITY will deliver to COMPANY all observational data, measurements and other results required under the statement of work ("Test Results"). Test Results will be the property of COMPANY. UNIVERSITY will retain copies of Test Results for a minimum of two years after completion of Services.

1.3. INTERPRETATION AND ANALYSIS. UNIVERSITY shall not provide consulting services or interpretation or analysis of Test Results under this agreement.

1.4 TECHNICAL CONTACTS. Each party appoints the following individual to serve as its technical contact during performance of Services. Each party will notify the other of any change in the technical contact in accordance with the notice requirements of this agreement.

For UNIVERSITY: Brian Deal
For COMPANY: Joseph Zeibert

TEST MATERIALS. COMPANY will furnish the following materials to UNIVERSITY in connection with the Services ("Test Materials"):

- Digital Elevation Model (DEM)
- National Land Cover Data Set
- Employment centers and density
- Population centers and density
- Road network - tiger
- Congestion if available
- No Growth Map: e.g. places such as forest preserve districts, parks, federal or state lands, etc.
- Project Boundary
- Population Projections: e.g. starting and ending points Census data access

1.5 If not applicable, the remainder of this Article 1.5 shall not apply.

1.5.1 UNIVERSITY shall use the Test Materials only for the Services.

1.5.2 Nothing in this agreement grants UNIVERSITY any rights to use Test Materials or any products or processes derived from Test Materials for profit-making or commercial purposes. COMPANY has no obligation to grant UNIVERSITY a license to use Test Materials. UNIVERSITY will not transfer the Test Materials to any third party for any reason and will direct any third party requests for Test Materials to COMPANY.

1.5.3 UNIVERSITY will exercise reasonable care in the handling and storage of Test Materials but will not be liable to COMPANY for any loss of or damage to Test Materials.

1.5.4 At COMPANY's direction, UNIVERSITY either will (a) destroy all unused Test Materials and upon request provide COMPANY certification of destruction; or (b) return to COMPANY, at COMPANY's expense and to a location within the U.S., all unused Test Materials.

1.6. INDEPENDENT CONTRACTOR STATUS. UNIVERSITY will at all times control the manner in which the Services are performed, including the scheduling of the Technical Tests. UNIVERSITY will furnish the tools, equipment and materials (other than the Test Materials) necessary for its performance of the Services.

2. PROPRIETARY/CONFIDENTIAL INFORMATION

2.1. "Confidential Information" means trade secrets and commercial or financial information furnished by COMPANY to UNIVERSITY under a claim that the trade secrets and information are proprietary, privileged or confidential and that unauthorized disclosure to a third party would cause COMPANY competitive harm.

2.2. The Services require disclosure of COMPANY's Confidential Information to UNIVERSITY personnel:
 Yes No.

2.3. UNIVERSITY will advise its employees to use reasonable efforts to hold in confidence all Confidential Information received from COMPANY in connection with the Services. UNIVERSITY may share Confidential Information with third parties to the extent necessary to perform the Services under terms consistent with this agreement. For written disclosures, COMPANY will mark the information "Confidential" at the time of disclosure. For oral or visual disclosures, COMPANY will designate the information "Confidential" at the time of disclosure and confirm such designation in writing to the UNIVERSITY no later than 30 days after disclosure.

2.4. UNIVERSITY'S obligation of confidentiality shall extend for three years from disclosure and shall not apply to information: (a) in UNIVERSITY'S possession on a non-confidential basis prior to receipt from COMPANY; (b) in the public domain or is general or public knowledge prior to disclosure, or after disclosure, enters the public domain or becomes general or public knowledge through no fault of UNIVERSITY; (c) lawfully obtained by UNIVERSITY from a third party without any known or apparent confidentiality obligation to COMPANY; (d) explicitly approved for release by written authorization of COMPANY; (e) developed by UNIVERSITY independent of UNIVERSITY'S access to COMPANY'S Confidential Information; or (f) required by law or by a court or administrative order to be disclosed.

3. INVENTIONS

"Inventions" means those potentially patentable discoveries, including pending patent applications and issued patents, first conceived and actually reduced to practice in performance of the Services. The parties do not anticipate that Inventions will result from UNIVERSITY'S performance of the Services. However, if UNIVERSITY conceives any Inventions during its performance of this agreement, then:

3.1. COMPANY INVENTIONS. Title to Inventions conceived through UNIVERSITY'S access to Confidential Information provided in connection with this agreement and that are intrinsic to or derived directly from COMPANY Confidential Information shall vest in COMPANY.

3.2. OTHER INVENTIONS. Title to Inventions other than those described in 3.1 shall vest as follows: Inventions of UNIVERSITY employees shall vest in UNIVERSITY; Inventions of COMPANY'S employees shall vest in COMPANY; and the parties shall jointly own all Inventions of employees of both UNIVERSITY and COMPANY.

3.3. DISCLOSURE. UNIVERSITY shall promptly notify COMPANY of any Invention disclosure received by its Office of Technology Management and in which COMPANY would have an ownership interest.

3.4. LICENSE OPTION. For any Invention in which UNIVERSITY has an ownership interest, UNIVERSITY grants to COMPANY a first option to negotiate a license on reasonable commercial terms. The option period will be six months, beginning on the date the UNIVERSITY discloses the Invention to COMPANY.

4. PUBLICATION

Any public disclosure of the Test Results by UNIVERSITY will be done in collaboration with COMPANY, as scientifically appropriate and in accordance with this Article 4.

UNIVERSITY may not publish the Test Results. (If checked, the remainder of this Article 4 shall not apply.)

4.1. REVIEW PERIOD. At least 30 days prior to any publication, UNIVERSITY shall submit the manuscript or presentation material to COMPANY for review. If COMPANY determines that the manuscript or presentation material improperly discloses Confidential Information, or contains potentially patentable subject matter, COMPANY will notify UNIVERSITY of its determination in writing no later than 30 days from its receipt of the manuscript or presentation material.

4.2. NOTIFICATION BY COMPANY. After notification by COMPANY and prior to publication, UNIVERSITY will delete Confidential Information from the manuscript or presentation material. In the case of potentially patentable subject matter, UNIVERSITY may delay enabling disclosure of the subject matter for no more than 90 days from the date of submission of the manuscript or presentation material to COMPANY in order to provide adequate time to file for statutory protection. Alternatively, UNIVERSITY may either delete the potentially patentable subject matter or modify the manuscript or presentation material to avoid enabling disclosure and proceed with publication without delay.

4.3. COMPANY'S SILENCE. If UNIVERSITY does not receive written notice from COMPANY within the prescribed review period, UNIVERSITY may proceed with publication as proposed.

5. COMPENSATION

5.1. PAYMENT SCHEDULE. In consideration for UNIVERSITY's performance of Services, COMPANY will pay to UNIVERSITY compensation in the amount and manner indicated below:

COST-REIMBURSEMENT. No more frequently than monthly, UNIVERSITY will invoice COMPANY based upon the budget set forth in Exhibit B. Within 30 days from receipt of invoice, COMPANY will pay UNIVERSITY the full amount then due.

BILLABLE-RATE-BASIS. No more frequently than monthly, UNIVERSITY will invoice COMPANY based upon the rates set forth in Exhibit B. The rates and charges expressed in Exhibit B are subject to change upon 30 days' prior written notice to COMPANY. Within 30 days from receipt of invoice, COMPANY will pay UNIVERSITY the full amount then due.

FIXED-PRICE. COMPANY will pay UNIVERSITY in accordance with the payment schedule set forth in Exhibit B.

5.2. FEDERAL FUNDS. If the U.S. government is the source of any of the funds paid by COMPANY under this Agreement, then COMPANY represents the following:

Percent of federal funds: 80.0% CFDA #: 20.205, 20.505

Federal agency providing funds: Federal Highway Administration

Are the funds subject to audit? Yes No

Audit standards: OMB Circular A-133 Other (attach pertinent information)

5.3. **BILLING ADDRESS.** UNIVERSITY will send all invoices to COMPANY at the following address: **Room 212, 200 South 9th Street, Springfield, IL 62701-1629**

5.4. **REMITTANCE.** COMPANY will promptly pay UNIVERSITY in U.S. currency by one of the following two payment options:

(a) By check made payable to the "University of Illinois" and mailed to:

University of Illinois
Grants & Contracts
28392 Network Place
Chicago, IL 60673-1283
U.S.A.

(b) By Automated Clearinghouse ("ACH") sent to UNIVERSITY's bank account:

Financial Institution	JP Morgan Chase Bank, N.A.
Address	10 South Dearborn Chicago, IL 60603-2300, USA
Nine-Digit Routing Transit Number	071000013
Depositor Account Title	The Board of Trustees of the University of Illinois, EDI Receipts and Federal Depository
Depositor Checking Account Number	616002911

(c) By Domestic/International Wire Transfer:

Financial Institution	JP Morgan Chase Bank, N.A.
Address	4 New York Plaza, Fl 15 New York, NY 10004
Nine-Digit Routing Transit Number	021000021
Depositor Account Title	The Board of Trustees of the University of Illinois, EDI Receipts and Federal Depository
Depositor Checking Account Number	616002911
Swift Code:	CHASUS33XXX
Type of Account:	Checking

6. TERM AND TERMINATION

6.1. **TERM.** This agreement is effective on the date signed by the last of the parties to sign, and will expire July 31, 2098.

6.2. TERMINATION. (a) Either party may terminate this agreement prior to its expiration date by providing written notice to the other party at least 30 days in advance of termination. (b) If COMPANY terminates this agreement, then COMPANY will promptly pay UNIVERSITY for Services performed, including non-cancellable obligations made by UNIVERSITY prior to UNIVERSITY's receipt of termination notice. (c) If UNIVERSITY terminates this agreement, UNIVERSITY will complete, to the extent practicable, any Services in progress when notice is received.

7. DISCLAIMER OF WARRANTIES

UNIVERSITY MAKES NO REPRESENTATIONS OR WARRANTIES REGARDING ITS PERFORMANCE UNDER THIS AGREEMENT. UNIVERSITY DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO THE TEST RESULTS.

8. LIMITATION OF DAMAGES/LIABILITY TO THIRD PARTIES

UNIVERSITY SHALL NOT BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING LOST REVENUE, LOST PROFITS, LOSS OF USE OR DATA, BUSINESS INTERRUPTION OR OTHER ECONOMIC LOSS) HOWEVER CAUSED AND REGARDLESS OF THEORY OF LIABILITY, ARISING FROM OR RELATED TO COMPANY'S USE OF THE TEST RESULTS, EVEN IF UNIVERSITY WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. COMPANY, AND NOT UNIVERSITY, SHALL BE RESPONSIBLE FOR THIRD-PARTY LIABILITIES ARISING FROM OR RELATED TO COMPANY'S USE OF THE TEST RESULTS.

9. GENERAL PROVISIONS

9.1. USE OF NAMES. Neither party will use the name of the other in any form of advertising or publicity without the express written permission of the other party. COMPANY shall seek permission from UNIVERSITY by submitting the proposed use, well in advance of any deadline, to the Associate Chancellor for Public Affairs, University of Illinois, Third Floor Swanlund Administration Building, 601 East John Street, Champaign, IL 61820; fax (217) 244-7124.

9.2. RELATIONSHIP OF THE PARTIES. Neither party is agent, employee, legal representative, partner or joint venturer of the other. Neither party has the authority to bind the other party to any contract.

9.3. CHOICE OF LAW. This agreement will be governed by and construed in accordance with the laws of the State of Illinois, U.S.A., without reference to its conflict of law provisions.

9.4. THIRD PARTY BENEFICIARIES. This agreement does not create any third party rights.

9.5. SEVERABILITY. If a court of competent jurisdiction finds any provision of this agreement unenforceable, such finding will not affect the validity of any other provision of this agreement and the parties will continue to perform. If this agreement cannot be performed in the absence of the provision, this agreement will terminate upon 30 days' written notice by one party to the other party.

9.6. INTEGRATION. This agreement embodies the entire understanding of the parties and supersedes all previous or contemporaneous communications, either oral or written, between the parties relating to the subject matter of this agreement. UNIVERSITY will accept purchase orders or other similar payment instruments issued by COMPANY pursuant to this agreement for payment purposes only. No such payment instruments will be construed to modify this agreement.

9.7. AMENDMENTS. No modification to this agreement will be effective unless confirmed in a written amendment signed by each party's authorized signatory.

9.8. COUNTERPARTS. The parties may sign this agreement in counterparts, each of which constitutes an original and all of which together constitute the agreement. Facsimile signatures constitute original signatures for all purposes.

9.9. ASSIGNMENTS. This agreement shall bind, and inure to the benefit of, the parties and any successors in interest to substantially the entire assets of the respective party. Neither party may assign this agreement without first obtaining the prior written consent of the other party, and any attempted assignment without such consent is void.

9.10. FORCE MAJEURE. A party will be excused from performance of this Agreement only to the extent that performance is prevented by conditions beyond its reasonable control. The party claiming excuse for delay will promptly notify the other party and will resume its performance as soon as performance is possible.

9.11. EXPORT CONTROL. Each party acknowledges that performance of all obligations under this Agreement is contingent on compliance with applicable United States export and trade laws and regulations (collectively, "U.S. Export Control Laws") and foreign export and import laws and regulations. COMPANY shall not directly or indirectly furnish any Confidential Information, Test Materials, or other items to the UNIVERSITY that are (1) subject to the International Traffic in Arms Regulations, to be found here: http://www.pmdtdc.state.gov/regulations_laws/itar.html; or (2) are described on the Commerce Control List of the U.S. Export Administration Regulations, to be found here: <http://www.bis.doc.gov/policiesandregulations/ear/index.htm>. COMPANY certifies that (a) COMPANY is not identified on the Consolidated Screening List found at: http://export.gov/ecr/eg_main_023148.asp, nor are any COMPANY personnel who will access the Test Results; and (b) COMPANY is not located in any country, or acting on behalf of any person, entity, or country, that is prohibited pursuant to U.S. Export Control laws from accessing the Test Results without a license.

9.12. RESOLUTION OF DISPUTES. The parties will enter into good faith negotiations to resolve any disputes arising from this agreement. Resolution will be confirmed by written amendment. If the parties cannot resolve any dispute amicably through negotiation, either party may terminate this agreement with notice and pursue all other available remedies.

9.13. SURVIVAL. All terms of this agreement that are intended to survive termination or expiration in order to be effective shall survive termination or expiration.

9.14. NOTICES. Any notice given under this agreement will be in writing and will be effective upon receipt evidenced by: (a) personal delivery; (b) confirmed facsimile transmission; (c) return receipt of postage prepaid registered or certified mail; or (d) delivery confirmation by commercial overnight carrier. All communications will be sent to the addresses set forth below or to such other address designated by a party by written notice to the other party in accordance with this section:

UNIVERSITY: For matters related to this agreement:

University of Illinois
Director, Office of Sponsored Programs
1901 South First Street, Suite A
Champaign, IL 61820-7406
Telephone: (217) 333-2187
Fax: (217) 239-6830

(e) UNIVERSITY will send all COMPANY notices to COMPANY's principal office, attention of the signatory to this agreement, unless otherwise provided as follows: Not Applicable.

9.15. AUTHORIZED SIGNATORIES. Each party represents that the individuals signing this agreement on its behalf are authorized, and intend, to bind the organization in contract.

COMPANY

By: _____

Date _____

Printed Name _____

Title _____

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Walter K. Knorr, Comptroller

Date

Acknowledgment by:

University technical contact (responsible faculty member)

Printed Name

*Preapproved for legal form by University Counsel
LMP 02/01/2016*

EXHIBIT A – SCOPE OF WORK

LEAMsc

An Application of the Land Use Evolution and
Impact Assessment Model (LEAM) to the
Sangamon County Region in Illinois

08, May 2016



Proposed Scope of Work
Land-use Evolution and impact Assessment Model (LEAM) for the Sangamon
County Region
08 May 2016

Background. The Sangamon County Regional Planning Commission is interested in the functionalities associated with the LEAM (the Land-use Evolution and impact Assessment Model) Planning Support System: including simulations of future land-use change over time, and associated impacts. Such a model could be useful as a critical tool to update the Sangamon County Comprehensive Plan. These plans, in turn, could then focus on specific policy and investment choices that could have positive impacts on the economic, community and natural resource bases of the Sangamon County Region.

The following scopes the work of applying the LEAM model and the LEAM PSS the Sangamon County region. A budgetary table of costs follows a description of the work by task. The LEAM cloud-based PSS will give the County the ability to run LEAM land use scenarios from County desktop or laptop computers.

Objectives. This proposal will begin the process of working with the Sangamon County RPC to develop an application of LEAM and the LEAM PSS to the region.

Task Descriptions:

Task descriptions for applying the LEAM model and PSS are divided into: a) data collection, b) model integration, c) the LEAM PSS, and d) project management. Work is completed concurrently for more expedient completion times.

Task 1a. Data Collection.

To be completed in collaboration with Sangamon County RPC

- 1) spatial data set collection
- 2) identification of spatial land use data and project spatial extents
 - a. US Geological Survey (USGS) National Land use Land cover map
- 3) preliminary socio-economic data collection
 - a. preliminary trends assessment
- 4) data integration
 - a. gathering and preparation of data for modeling.

Task 1b. LEAMsc. A LEAM Model for Sangamon County

This work focuses on building a basic LEAM simulation model for Sangamon County with additional analysis focused on a limited set of impact models. The work includes setting up the LEAM PSS for remote scenario input and analysis (by the RPC). Initial model population and employment projections are based on RPC projections for the region. An initial "business as usual scenario" will be developed as part of this work.

Task 1c. Cloud Based LEAM Planning Support System

The LEAM cloud-based planning support tool will be applied. This will enable County planners to run LEAM land use scenarios from County desktop or laptop computers. This will also enable the RC to make key information for planning available for local officials, stakeholder groups, and the public to view and conduct analysis. This system will allow various combinations of base data (administrative boundaries, roads & infrastructure, and demographic data), resource (natural, agricultural, cultural) inventory layers,

system-of-plans components (various municipal, county, regional and other plans), and LEAM simulations (for several different scenarios). The system will allow users to select from a menu which layers of information they want to view, allow them to zoom in to any particular area of the region, and permit users to print a high quality map. This will also include the an on-line training module that will have step-by-step instructions on how to use the web-based planning support system to do a variety of planning analyses.

Task 1d. Project Management

The LEAMlab will provide for bi-weekly phone calls and constant electronic contact. At the end of the project period, LEAM will provide a LEAM PSS and training for its use.

Budget.

Task	Description	Amount
1 a	data collection LEAMsc LEAM PSS Project Management	
Total		\$ 20,000
A 1	LEAMecon	\$ 75,000
A 2	Add Impact Models	\$ 10,000

Alternative 1

Task A1. LEAMecon - Economic Modeling

Create a version of LEAMecon (Economic Model) for Sangamon Counties. Use the economic model to prepare 30-year population, housing, and employment projections by county, and identify economic sectors that make up the counties economic base. In creating the economic model, LEAM Staff should utilize the Sangamon County Regional Planning Commission data and expertise to save costs in terms of data and expert review of model results.

Task A2. Additional Impact Analysis

The LEAM lab will conduct additional detailed analysis (beyond basic impacts) of the impacts of land-use change in the region for each of the scenarios. Impact analysis could include an assessment of other infrastructure impacts, an environmental stress analysis (identify prime farmland and natural resources at risk from future development), or other impacts of interest to local stakeholders.

Dr Brian Deal
 Director, LEAM Laboratory
 Department of Urban and Regional Planning
 University of Illinois at Urbana-Champaign
 611 Taft Dr
 Champaign, IL 61820
 (217) 333-1911
 deal@illinois.edu

EXHIBIT B - Estimated Budget
 TITLE: Sangamon County
 PROJECT PERIOD: 6/1/16 to 5/31/17
 PRINCIPAL INVESTIGATOR: Brian Deal

I. DIRECT COSTS

A. SALARIES & WAGES

***PERSONNEL**

*Dr Brian Deal

*Other Dept Labor

TOTAL SENIOR PERSONNEL

GRADUATE ASSISTANTS

MASTER'S STUDENTS, 50%

PhD STUDENTS, 50%

TOTAL GRADUATE ASSTS

OTHER PERSONNEL

Hourly

Hourly

Hourly

Hourly

*Interns

TOTAL OTHER PERSONNEL

TOTAL SALARIES

B. FRINGE BENEFITS

Employees Covered by SURS

Non-Student Employees

Graduate Assistants

TOTAL FRINGE BENEFITS

TOTAL SALARIES AND FRINGE BENEFITS

OTHER EXPENSES (non-personnel costs)

C. Telecom - Long distance

D. Travel (Instate)

E. Computer Hardware and Software

F. Miscellaneous (test equip, supplies, photocopying, etc.)

G. Tuition Remission, 64% of grad salaries

H. Purchase Orders (Consultants, Field Technicians, etc)

H. Energy Resources Center (UIC Partner)

J. Sub-Award (360 Energy Group LLC)

TOTAL OTHER EXPENSES

TOTAL DIRECT COSTS

II. FACILITIES/ADMINISTRATIVE COST RATES

10% of total direct costs

10.00%

TOTAL PROJECT COSTS

	RATE \$/MO.	MO	TOTAL AMOUNT	
				Annual Salary
*Dr Brian Deal	\$10,393.00	0.2	\$ 1,610.92	\$90,813
*Other Dept Labor			\$0	
TOTAL SENIOR PERSONNEL			\$1,611	
MASTER'S STUDENTS, 50%	\$1,809	3	\$5,427	
PhD STUDENTS, 50%	\$2,080	4.5	\$9,362	
TOTAL GRADUATE ASSTS			\$14,789	
	\$/HR			
Hourly	\$ 25.00	0	\$0	
Hourly	\$ 25.00	0	\$0	
Hourly	\$ 35.00	0	\$0	
Hourly	\$ 35.00	0	\$0	
*Interns	\$8,000.00	0	\$0	
TOTAL OTHER PERSONNEL			\$0	
TOTAL SALARIES			\$16,399	
	Total Benefit Rate, %			
Employees Covered by SURS	44.77%		\$721	
Non-Student Employees	7.79%		\$0	
Graduate Assistants	6.19%		\$915	
TOTAL FRINGE BENEFITS			\$1,637	
TOTAL SALARIES AND FRINGE BENEFITS			\$18,036	
OTHER EXPENSES (non-personnel costs)				
C. Telecom - Long distance			\$0	
D. Travel (Instate)			\$146	
E. Computer Hardware and Software			\$0	
F. Miscellaneous (test equip, supplies, photocopying, etc.)			\$0	
G. Tuition Remission, 64% of grad salaries	0%		\$0	
H. Purchase Orders (Consultants, Field Technicians, etc)			\$0	
H. Energy Resources Center (UIC Partner)			\$0	
J. Sub-Award (360 Energy Group LLC)			\$0	
TOTAL OTHER EXPENSES			\$146	
TOTAL DIRECT COSTS			\$18,182	
II. FACILITIES/ADMINISTRATIVE COST RATES				
10% of total direct costs	10.00%		\$1,818	
TOTAL PROJECT COSTS			\$20,000	