COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN #: 1356002041A1

INSTITUTION:
Purdue University
Office of the Comptroller
1070 Freiehafer Hall
West Lafayette IN 47907-2024

DATE: December 21, 2009
FILING REF.: The preceding Agreement was dated November 17, 2005

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

SECTION I: FACILITIES AND ADMINISTRATIVE COST RATES*

RATE TYPES: FIXED FINAL PROV.(PROVISIONAL) PRED.(PREDETERMINED)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>EFFECTIVE PERIOD</th>
<th>RATE(%)</th>
<th>LOCATIONS</th>
<th>APPLICABLE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRED.</td>
<td>07/01/09 06/30/10</td>
<td>52.5</td>
<td>On Campus</td>
<td>Organized Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/10 06/30/13</td>
<td>54.0</td>
<td>On Campus</td>
<td>Organized Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/09 06/30/13</td>
<td>52.0</td>
<td>On Campus</td>
<td>Instruction</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/09 06/30/13</td>
<td>35.0</td>
<td>On Campus</td>
<td>Other Spon Act</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/09 06/30/13</td>
<td>26.0</td>
<td>Off Campus</td>
<td>All Programs</td>
</tr>
</tbody>
</table>

PROV. 07/01/13 UNTIL AMENDED Use same rates and conditions as those cited for fiscal year ending June 30, 2013.

The Purdue University rates cited above apply also to the Purdue Research Foundation, EIN #1351052049A1.

*BASE:
Modified total direct costs, consisting of all salaries and wages, fringe benefits, materials, supplies, services, travel and subgrants and subcontracts up to the first $25,000 of each subgrant or subcontract (regardless of the period covered by the subgrant or subcontract). Modified total direct costs shall exclude equipment, capital expenditures, charges for patient care, tuition remission, rental costs of off-site facilities, scholarships, and fellowships as well as the portion of each subgrant and subcontract in excess of $25,000.
INSTITUTION:
Purdue University

AGREEMENT DATE: December 21, 2009

SECTION II: SPECIAL REMARKS

TREATMENT OF FRINGE BENEFITS:
Fringe benefits are specifically identified to each employee and are charged individually as direct costs. The directly claimed fringe benefits are listed below.

TREATMENT OF PAID ABSENCES:
Vacation, holiday, sick leave pay and other paid absences are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost for salaries and wages. Separate claims for the costs of these paid absences are not made.

OFF-CAMPUS DEFINITION: For all activities performed in facilities not owned by the institution and to which rent is directly allocated to the project(s), the off-campus rate will apply. Actual costs will be apportioned between on-campus and off-campus components. Each portion will bear the appropriate rate.

Equipment Definition:
Equipment means an article of nonexpendable, tangible personal property having a useful life of more than one year and an acquisition cost of $5,000 or more per unit.

FRINGE BENEFITS:
FICA
TIAA/CREF
Retirement
Worker's Compensation
Life Insurance
Unemployment Insurance
Health Insurance
Staff Tuition Remission
Disability Insurance
INSTITUTION: Purdue University

AGREEMENT DATE: December 21, 2009

SECTION III: GENERAL

A. LIMITATIONS:
The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions:
(1) Only costs incurred by the organization were included in the facilities and administrative cost pools as finally approved; such costs are legal obligations of the organization and are allowable under the governing cost principles; (2) The same costs that have been treated as facilities and administrative costs are not claimed as direct costs; (3) Similar types of costs have been accounted for in consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

B. ACCOUNTING CHANGES:
This Agreement is based on the accounting system purposed by the organization to be in effect during the Agreement period. Changes in the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require prior approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in cost disallowances.

C. FIXED RATES:
If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual costs for this period are determined, an adjustment will be made to the rate of a future year(s) to compensate for the difference between the rates used to establish the fixed rate and actual costs.

D. USE BY OTHER FEDERAL AGENCIES:
The rates in this Agreement were approved in accordance with the authority in Office of Management and Budget Circular A-21 above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the Agreement.

E. OTHER:
If any Federal contract, grant or other agreement is reimbursing facilities and administrative costs by a means other than the approved rate(s) in this Agreement, the organization should (1) credit such costs to the affected programs, and (2) apply the approved rate(s) to the appropriate base to identify the proper amount of facilities and administrative costs allocable to these programs.

BY THE INSTITUTION:
Purdue University

(INSTITUTION)

(SIGNATURE)
John R. Shipley

(DATE)
January 4, 2010

University Comptroller

(TITLE)

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES

(AGENCY)

(SIGNATURE)
Henry Williams

(DATE)
December 31, 2009

DIRECTOR, DIVISION OF COST ALLOCATION-

(TITLE) CENTRAL STATES FIELD OFFICE

(ADDRESS)

ON BEHALF OF THE FEDERAL GOVERNMENT:

(AGENCY)

(SIGNATURE)
Henry Williams

(DATE)
December 31, 2009

(ADDRESS)

ON BEHALF OF THE FEDERAL GOVERNMENT:

(AGENCY)

(SIGNATURE)
Henry Williams

(DATE)
December 31, 2009

(ADDRESS)
COMPONENTS OF PUBLISHED F&A COST RATE

INSTITUTION: Purdue University
FY COVERED BY RATE: JULY 1, 2010 through JUNE 30, 2013
APPLICABLE TO: ORGANIZED RESEARCH

<table>
<thead>
<tr>
<th>RATE COMPONENT</th>
<th>ON CAMPUS</th>
<th>OFF CAMPUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Depreciation</td>
<td>4.6</td>
<td></td>
</tr>
<tr>
<td>Equipment Depreciation</td>
<td>4.3</td>
<td></td>
</tr>
<tr>
<td>Interest</td>
<td>0.8</td>
<td></td>
</tr>
<tr>
<td>Operation &amp; Maintenance</td>
<td>16.8</td>
<td></td>
</tr>
<tr>
<td>Library</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>26.0</td>
<td>26.0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>54.0</td>
<td>26.0</td>
</tr>
</tbody>
</table>

CONCURRENCE:

Purdue University
(Institution)

(Signature)

John R. Shipley
(Name)

University Comptroller
(Title)

January 4, 2010
(Date)