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# Scope of Work

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- I. Scope of Solicitation**
- II. Instructions to Offerors**
- III. Scope of Work / Specifications**
- IV. Terms and Conditions - Special**

## I. Scope of Solicitation

### A. Purpose of the Solicitation

The purpose of this solicitation is to invite Respondents to participate in Clemson University’s (hereinafter referred to as the “university” or “Clemson”) procurement process to select a firm to provide Clemson a Budgeting Solution.

### B. Expectations

Clemson expects the budgeting solution will facilitate the following:

- Benefit from scale of economy in supporting regulated and standard higher education business processes
- Optimize Clemson business processes and nurture a mindful culture of operation
- Enable adoption of advanced business technologies, such as analytics (business intelligence), and workflow management
- Facilitate long range strategic planning across all business functions and disciplines with accurate, readily available data presented in intuitive and familiar formats
- Provide agile, modern interfaces (portals and dashboards) for all users to improve communication, information access, and support campus engagement
- Target development resources to strategic initiatives where unique information systems would truly provide advantages to the university
- Better compete with peer institutions in the recruitment of students, faculty, and staff and administration of key programs and services
- The ideal budgeting solution for Clemson University would be a web-based budget development and reporting system that is easily compatible with Clemson’s current technology environment, including but not limited to; PeopleSoft Financials and HR, SAP Business Objects, etc.
- The ideal solution would provide budget users a one-stop location for budgeting and planning, including the annual budget development process and budget versus actual reporting, as well as entering budget adjustments throughout the fiscal year. The Clemson goal is to eliminate the need for budget users to utilize any other system for budgeting.

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## **C. Institutional Profile**

Clemson University is a nationally ranked public research university where the student experience is second to none. This institution combines the benefits of a major land-grant, science- and engineering-oriented university with a strong commitment to quality teaching and individual student success. Yet, even with its national recognition, Clemson remains a student-centered community characterized by inclusiveness, collaboration, high academic standards, and a drive to excel.

Clemson's teaching and learning environment is more characteristic of private liberal arts colleges, but it still offers the academic, community service, and social opportunities found at major public universities.

### **Mission**

The mission of Clemson University is to fulfill the covenant between its founder and the people of South Carolina to establish a “high seminary of learning” through its historical land-grant responsibilities of teaching, research and extended public service.

### **Faculty**

Clemson has 1398 faculty members, 82% (1150) of which are full-time. Ninety-eight percent of all tenure-line faculty hold doctorate or equivalent degrees. Clemson has a 16 to 1 student to faculty ratio. The average class size for Spring Term 2011 is fewer than 20 students.

### **Academic Programs**

Students can select from approximately 80 undergraduate and 110 graduate degree programs offered by five colleges: Agriculture, Forestry and Life Sciences; Architecture, Arts and Humanities; Business and Behavioral Science; Engineering and Science; and Health, Education and Human Development.

Clemson is well known for its prominent athletic programs and for the spirit of its fans. Another important aspect of Clemson is its dedication to improving the world through public service, which is why the University encourages faculty to engage their classes through service learning. With its college-town, lakefront setting against a backdrop of mountains and forests, Clemson is characterized by a strong sense of community, a commitment to service and a love of winning — in academics, in athletics and in life.

**87 Students**

88  
89 With a student population of 19,453 at Clemson University, classes are carefully managed to  
90 ensure small sizes with 51% of its undergraduate classes having fewer than 20 students, a 16-to-1  
91 student-to-faculty ratio, and high retention and graduation rates. Student engagement and  
92 satisfaction score well above the national average.

93  
94 The university recently earned national recognition for its living learning communities, Creative  
95 Inquiry undergraduate research program, and student participation in service-learning and civic  
96 engagement.

97  
98 Clemson University has a total undergraduate enrollment of 15,459, with a gender distribution of  
99 54.3 percent male students and 45.7 percent female students.  
100

**101 Educational and Financial Accolades**

102  
103 Ranked in the top 25 among national public universities according to "U.S. News and World  
104 Report," Clemson is the number one choice of South Carolina's best high school graduates. About  
105 half of incoming freshmen ranked in the top 10 percent of their high school class.

106 Clemson also has a ranking in the top 10 among national universities, both public and private, in  
107 payback ratio, according to "Smart Money" magazine -- a calculation based on graduates' lifetime  
108 earning potential and the cost of tuition.

109  
110 Total research funding for fiscal 2010 at Clemson University, which ended June 30, was the  
111 highest in the University's history: \$187,292,161. That figure includes more than \$94 million in  
112 sponsored programs, while a \$43-million American Recovery and Reinvestment Act (ARRA) grant  
113 from the U.S. Department of Energy for a wind-turbine drive-train test facility at the Clemson  
114 University Restoration Institute in North Charleston accounted for approximately one-third of this  
115 year's funding. The federal government provided the majority of external research funding, 86  
116 percent, while state and local government accounted for 8 percent and industry and other sources  
117 provided 6 percent. As was the case in 2009, more than half of Clemson's research funding was  
118 focused in two emphasis areas: sustainable environment (37 percent) and advanced materials (24  
119 percent). The College of Engineering and Science continued to have the highest level of extramural  
120 support, with 39 percent.  
121  
122

**123 Clemson's Alumni**

124  
125 Alumni associations gave back \$73,000 to Clemson for several University priorities. Clemson  
126 currently serves 119,971 registered alumni. Besides donating time and many talents to others,  
127 alumni generously give of their resources as well. This past year, the Alumni Association was able  
128 to give 176 Prince Scholarships totaling \$143,000 and 45 Jervey Scholarships totaling \$114,000.  
129 These scholarships are awarded annually from endowments originated by the Clemson Alumni  
130 Association. An additional 26 students were given financial assistance from the Welcome Back  
131 Festival contributions.

132 **Clemson's Founding**

133  
134 Clemson was founded in 1889 by a bequest from Thomas Green Clemson, a Philadelphia-born,  
135 European-educated engineer, musician, and artist who married John C. Calhoun's daughter Anna  
136 and settled at her family's estate in South Carolina. Clemson believed that the way to rebuild his  
137 adopted state's war-ravaged economy was through scientific education, so he left his home and  
138 fortune to the state of South Carolina to create the institution that bears his name.

139

140

141 **D. Computational Infrastructure**

142 **PeopleSoft HR and Finance**

143

144 Clemson uses PeopleSoft Human Resources 9.0 and Finance 9.0 University wide (no additional  
145 HR / Finance shadow systems are used). Clemson anticipates upgrading PeopleSoft HR 9.0 to 9.2  
146 and Finance 9.0 to 9.2 in 2014. Clemson utilizes Commitment Control with PeopleSoft Finance,  
147 with various rules for controlling budgets across multiple fund groups.

148

149 Clemson uses the following PeopleSoft HR modules:

150

- 151 • Employee time and leave management
- 152 • Payroll processing
- 153 • HR Self Service
- 154 • Recruitment

155 **Other Interfaces include**

- 156 • KRONOS time keeping
- 157 • TouchNet electronic commerce and cashiering

158 **Data Warehouse**

159

160 Clemson built and maintains a university wide centralized data warehouse that has 275 gigabytes  
161 of data that has been in use for the last 6 years. The data warehouse is the authoritative data source  
162 for university wide data reporting, business intelligence and analytics, and Institutional Research.

163

164 The data warehouse currently contains 10 years of university budget data and accepts daily data  
165 imports from other major business systems including:

166

- 167 • Banner Student System
- 168 • Clemson Student System (Clemson developed mainframe application & IDMS DB that is  
169 being replaced through Banner Implementation)
- 170 • Faculty Business System
- 171 • PeopleSoft Finance
- 172 • PeopleSoft Human Resources

173

174 Efficient and timely integration between the budgeting system, PeopleSoft HR / Finance, data  
175 warehouse, and business intelligence is mandatory.

**176 Business Intelligence – Analytics and Reporting**

177  
178 The university uses the University data warehouse and SAP Business Objects Enterprise solution  
179 for reporting.

180  
181 To date the University has developed over 150+ reports. Additional information is available via  
182 [http://www.clemson.edu/ccit/software\\_applications/applications/cubs/busdatwh.html](http://www.clemson.edu/ccit/software_applications/applications/cubs/busdatwh.html).

183  
184 Clemson uses the following SAP modules:

- 185
- 186 • SAP Business Objects Enterprise, CPU
- 187 • Crystal Reports
- 188 • SAP Business Objects Web Intelligence CPU
- 189 • Xcelsius Enterprise Interactive Viewing CPU
- 190 • Xcelsius Enterprise
- 191 • Data Integrator Premium CPU
- 192 • Knowledge Base Accelerator for WEbi

193  
194 Continued development and enhancement of Business Intelligence University wide is an ongoing,  
195 funded tactical and strategic goal of the office of the Vice President of Finance and Operations. It is  
196 their stated and continuous goal to provide data-driven decision support services to campus leaders  
197 to identify optimal solutions for financial planning, formulating policies and procedures, and  
198 developing integrated business strategies for efficient resource utilization.

199  
200 Efficient and timely integration between the budgeting system, PeopleSoft HR / Finance, data  
201 warehouse, and business intelligence is mandatory.

202

**203 Network**

204  
205 Clemson operates a highly-redundant multi-10Gb/s-core network that connects campus users to a  
206 WPA2-encrypted 802.11A/G/N wireless network as well as 1 Gb/s to wired network ports.  
207 Additionally, campus users are connected to the Internet and other external networks with multiple  
208 10G feeds to Atlanta and Charlotte via the Clemson-operated C-Light regional optical network.

209

**210 Data Centers**

211  
212 Clemson operates two data centers, with multiple Storage Area Networks, application server and  
213 load balanced web servers. Core data center competencies include Fibre Channel, Ethernet (routed  
214 / switched), Microsoft (servers, databases, directory services), Linux variants, Oracle, MySQL  
215 IBM MVS mainframe and IDMS databases.

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**E. Current Budget Process**

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222  
223 The budget planning and development process is an integrated part of an ongoing planning cycle at  
224 the University. The process results in an annual budget for each fiscal year in support of the  
225 University's mission. The Board of Trustees is responsible for approving the annual budget, which  
226 establishes revenue and expenditure budgets that comprise the University's total budget.  
227

228 The planning and management of the University's budget is a shared responsibility at all levels of  
229 the institution. Clemson is comprised of multiple divisions (ex. academic college, library, finance  
230 division, etc.) each of which include numerous departments, (ex. biology, civil engineering,  
231 accounting services, etc.) and programs serving to further the mission of the division and the  
232 University.  
233

234 University employees with budgetary authority are expected to monitor revenues and expenses  
235 regularly. They are further expected to review budget versus actual reports to proactively assess  
236 budget performance and ensure that budgeted revenues are realized and that spending is within  
237 budgetary authority.  
238

**Current Budgeting Solution and Limitations**

239  
240  
241 The current budgeting solution for annual budget development uses a series of customized  
242 PeopleSoft Finance panels, with limited capabilities and no planning tools. Within the panels,  
243 budget users are given information to assist with budget development, such as current budgets and  
244 actuals. Search features are restricted, and totals are not real-time and cannot be provided for  
245 different views, only for a specific fund source and budget center. Current application has limited  
246 scenario capability. The application is simply a budget entry panel by  
247 fund/department/program/account/class/project after users have used Excel and other external tools  
248 to develop the budget. After the annual budgets have been entered by budget users and reviewed  
249 carefully by the Budget Office, the budgets are then uploaded to the Commitment Control tables in  
250 PeopleSoft Finance.  
251

252 Clemson University utilizes Commitment Control for the capability to control spending at different  
253 levels across multiple fund sources. When a journal entry is processed in PeopleSoft for  
254 unrestricted and restricted funds, the system validates that there is a budget in place for that  
255 transaction, and that there is sufficient spending authority. For unrestricted funds, such as state and  
256 other E&G funding, the spending authority is controlled at the fund and budget center/division  
257 level. For restricted funds, such as grants and contracts, the spending authority is controlled at the  
258 detail project level. The spending authority is managed through what are called "parent" budgets.  
259 Each "parent" budget has multiple "child" budgets which detail the chart field distributions  
260 allowed for expenditures. The total of all "child" budgets cannot exceed the "parent" budget. The  
261 budgeting solution must provide both the parent and child budgets for expenditures for all funds, as  
262 well as revenue budgets where applicable. The budgeting solution should perform business rule  
263 validation to ensure that the budgets can interface and post immediately to PeopleSoft Finance.  
264 Please refer to the PeopleSoft Budget Training Manual, available at  
265 <http://www.clemson.edu/cfo/budgets/>, for more details regarding Clemson's budgetary controls  
266 and chart of accounts.



267  
 268 In addition to the annual budget process panels described above, Clemson University also utilizes  
 269 budget journal panels in PeopleSoft Finance for budget amendments on a daily basis. (Clemson's  
 270 Budget Development Training Manual and PeopleSoft Budget Training Manual are available on  
 271 the Budget Office's website at [http://www.clemson.edu/cfo/budgets/.](http://www.clemson.edu/cfo/budgets/))  
 272

### 273 **Functionality**

274  
 275 To ensure the new budgeting solution is an improvement upon the current budgeting solution, the  
 276 following functionality must be included with the new solution. Note the new budgeting solution  
 277 must include at least the following items but is not limited to just these items.

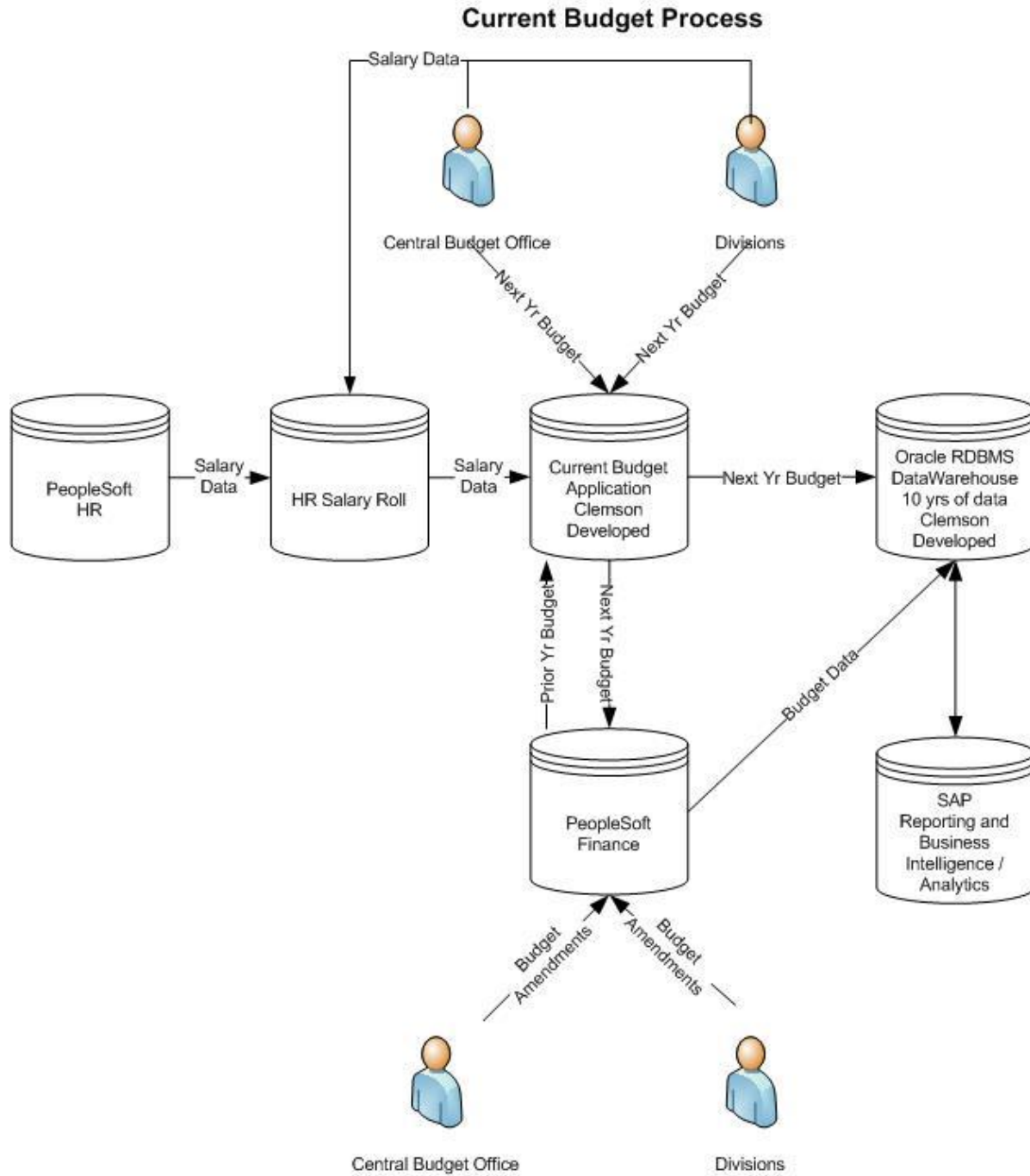
- 278 • One-stop location for budgeting, budget versus actual reporting and budget performance  
 279 analysis
- 280 • Systematic creation of parent and child expense budgets and revenue budgets from annual  
 281 budget development process/panels and from budget amendment process/panels in order to  
 282 interface to PeopleSoft Finance Commitment Control Tables
- 283 • Interface with PeopleSoft Finance for other financial and reporting activities as necessary
- 284 • Real-time reporting and data entry
- 285 • Validation with business rules
- 286 • Thorough workflow/approval process, with automatic email notifications at all levels
- 287 • Capability to enter comments/notes for budget item, and to be able to query  
 288 comments/notes
- 289 • Search, sort, total capability by almost any level of detail
- 290 • Custom security groups with row-level permissions
- 291 • 100% web-based user-friendly primary interface
- 292 • Annual budget development panels
- 293 • Multi-year budgeting capability
- 294 • Multiple budget scenarios
- 295 • "Budget amendment" panels used daily (separate from annual)
- 296 • Budgeting by targets at multiple levels, such as budget center, department, project, etc.
- 297 • Interface with PeopleSoft HR to create Position Budgeting, which will then feed into the  
 298 overall budget development
- 299 • Position Budgeting allows for across-the-board salary increases, such as cost of living, for  
 300 certain employee types
- 301 • Position Budgeting allows for entry of other hiring costs for faculty, specifically startup  
 302 costs and supplements, which are not salary accounts
- 303 • Strategic planning capabilities
- 304 • Planning with factors/variables, such as student enrollment, credit hours, resident versus  
 305 non-resident, etc.
- 306 • Future year projection capability
- 307 • Revenue modeling capability
- 308 • Real-time budget reports and information for entry into the University's annual budget  
 309 document
- 310 • Budget versus Actual Reporting, with drill-down to PeopleSoft capability
- 311 • Easily review status of budgets at the department and budget center level

- 312 • Flexible reporting capabilities that will allow for multiple views of the budget
- 313 • Automated reporting notification and/or distribution capabilities

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315 Provided below is a diagram of the current business systems in use.

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**II. Instructions To Offerors**

Regardless of specific requirements below or in this document, Offerors are required to submit their proposal electronically through the Clemson University online bidding system. To do so you must login (registering first) at <https://sciquest.ionwave.net/prod/default.aspx?company=clemson>, and follow specific instructions for this solicitation. You should register several days in advance of the bid closing date so you can be approved and login in time to submit a response.

**Information for Offerors to Submit – Technical Proposal**

In addition to information requested elsewhere in this solicitation, Offerors should submit the following information for purposes of evaluation as part of their Technical Proposal:

**A. Executive Summary**

Outline the key elements of your proposal response, not to exceed six pages.

**B. Minimum Qualifications for Implementation Respondents**

Provide evidence that the Respondent has the following qualifications:

1. The proposed budgeting system modules (or predecessor versions of those modules) should have been implemented at a minimum of three (3) higher education institutions. At least two (2) of these institutions should represent implementations completed in the last three (3) years.
2. Evidence that the proposed implementation services have been successfully implemented and used in comparable institutions of like mission, size, and complexity as Clemson.

**C. References**

1. Please supply higher education clients for whom you have provided implementation services for your proposed budgeting system comparable in technical environment, comparable size and structure to Clemson. Please segment these clients as follows: (1) those implemented within the last year, (2) those in production for one to five years, and (3) those in production more than five years (4) and those for whom you currently provide hosting services and for how long

- 362 2. Provide details of the versions of the software that you have implemented, the number  
363 of years that the system has been in production, the modules implemented, including  
364 related 3<sup>rd</sup> party solutions, and the contact information for each client (name, title, email  
365 address, physical address, and phone number).
- 366
- 367 3. Provide a description of the three (3) related customer implementations which most  
368 resemble Clemson.

#### 369 **D. Viability**

- 370
- 371
- 372 1. Provide a brief description of your corporate history, market segment(s), client base,  
373 and employee base.
- 374 2. Provide a copy of your most recent, audited, annual financial statement including a  
375 separate management letter.
- 376 3. Provide a disclosure of any judgments, including but not limited to: pending or  
377 expected litigation or other real or potential financial reversals that might affect the  
378 viability or stability of the corporations; or warrant that no such condition is known to  
379 exist.

#### 380 **E. Implementation Approach**

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382  
383 Clemson thus encourages Respondents to be creative in developing an implementation  
384 strategy that will result in the most productive approaches for software implementation.  
385

- 386 **1. Implementation tasks.** Give an overview of your implementation strategy, and then  
387 describe the implementation tasks required, complete from contract signing to  
388 installation and acceptance. Include the process proposed for data conversion,  
389 configuration, and integration of the selected budget system with PeopleSoft HR /  
390 Finance, data warehouse, and business intelligence systems. These tasks must address  
391 the specific requirements as outlined in Section III.
- 392 **2. Replacement vs. integration.** Provide an explanation of how the selected budget  
393 system will interface with PeopleSoft HR / Finance, data warehouse, and business  
394 intelligence systems. Describe the experience your firm has in integrating with  
395 PeopleSoft HR / Finance, data warehouse, and business intelligence systems and the  
396 tools you would use.
- 397 **3. Project schedule.** Provide a projected implementation schedule, including timeline,  
398 milestones, and deliverables.
- 399 **4. Total hour requirements.** Provide “total hour requirements” with details broken out  
400 for each major component. Respondent should note expectations regarding travel  
401 time for trainers or consultants.

- 402           **5. Definition of hours worked.** Describe exactly what will be included and considered  
403           “hours worked.”
- 404           **6. Implementer staffing.** Provide breakdown of consultant type, level/skills including  
405           experience level, accreditation, or certification required for each task.
- 406           **7. Consultant qualifications.** Provide resumes, client references and the most recent  
407           work histories of the primary consultants/trainers you will assign to the university.
- 408           **8. Right of refusal.** Respondent should validate the university’s right of refusal of  
409           individual consultants proposed or assigned to the implementation.
- 410
- 411           **9. Implementation Specific deliverables** include but not limited to
- 412
- 413           1. Providing Subject Matter Experts to lead, facilitate, evaluate, and document  
414           initiatives to resolve readiness assessment findings and assisting the university  
415           in solving any outstanding issues that could be detrimental to the success of the  
416           project.
- 417           2. Providing Subject Matter Experts to lead, facilitate, evaluate, and document the  
418           implementation readiness and preparedness of each campus area / department  
419           prior to, during, and after deployment.
- 420           3. Providing Subject Matter Experts to lead, facilitate, and develop business  
421           process maps to identify as-is, to-be, and gap analysis for each of the modules  
422           implemented by each department / campus area.
- 423           4. Providing Subject Matter Experts to lead, identify, document, and present  
424           suggested changes in policies, regulations, practices, processes, strategies, and  
425           legacy systems to ensure successful implementation.
- 426           5. Providing Subject Matter Experts to lead and provide direction on the optimum  
427           use and configuration of supporting computational infrastructure for this effort  
428           (server architecture, network configuration / load balancing, web architecture,  
429           database, and storage architecture).
- 430           6. Providing Subject Matter Experts to train Clemson Information Technology  
431           staff in the development and integration concepts, and tasks required to ensure  
432           successful integration with legacy applications / data.
- 433           7. Providing Subject Matter Experts to Evaluate and document the impact to  
434           legacy applications / programs prior to, during, and after deployment on  
435           budgeting system and related applications.
- 436           8. Providing Subject Matter experts to lead and develop applications and data  
437           transfer programs to exchange data between the budgeting solution and existing  
438           systems, to be authorized by the university in a separate work order / project  
439           change order.
- 440           9. Providing Subject Matter experts to lead and develop a data standards document  
441           to govern integration of the budget system with existing / legacy applications.

- 442 10. Providing Subject Matter Experts to facilitate, participate, and lead the  
443 development and maintenance of detailed project plans, plan dependencies, task  
444 descriptions, tasks dependencies, time estimates, project schedules, issue logs  
445 and project deliverables. Record plans including tasks and task dependencies,  
446 and project schedules in project management software.
- 447 11. Providing Subject Matter Experts to develop and maintain project management  
448 documentation including charts, graphs, dashboards, metrics development and  
449 management reports as requested by the project team and other executives of the  
450 University as requested.

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## **F. Knowledge Transfer**

- 454 **1. Training Strategy.** Describe your strategy and methodology for training on the  
455 proposed budget system. Please also discuss alternative training strategies targeting  
456 lower cost of execution with associated implications. Differentiate your proposed  
457 training solutions in terms of technical team training and end user training.
- 458 **2. Detailed Methods.** Include detailed recommendations for training methods, materials,  
459 trouble-shooting resources, benchmarks to monitor progress, and a proposed time-line.  
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## **G. Project Management**

- 464 **1. Project Management Methodology.** Respondent should include a complete and  
465 detailed description of its overall approach to the management of this effort, including  
466 cost containment, schedule management, project leadership, change management  
467 practices, risk management, and other typical project management tools and processes  
468 that may be employed in this effort.  
469
- 470 **2. Change Management.** Describe the elements of your change management plan that  
471 meet the requirements of:
- 472 1. The processes, tools and techniques you use to manage the people-side of change to  
473 achieve the required business outcomes of this transformation project
  - 474 2. The organizational tools that can be used to help institutional stakeholders make a  
475 successful transition in the change
  - 476 3. The elements of the project communication plan for this implementation
  - 477 4. Any other change management interventions will you be providing in this  
478 implementation

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## **H. Clemson and Respondent Roles and Responsibilities**

- 1. Roles and Responsibilities.** Identify the critical project roles that will be needed to implement successfully the selected software. Describe the responsibilities for each role.
- 2. Project Organization.** Propose the most likely project organization structure for implementing the budget software selected.
- 3. Clemson Responsibilities.** Outline the time and effort commitment needed from various Clemson personnel throughout the implementation.

## **I. Client Relationships**

- 1. Dealing with client disputes.** Describe the process your firm uses to deal with client complaints. Give examples of client disputes that were successfully resolved and those that weren't and why.
- 2. Engaging the client.** Outline the process your firm uses to engage with your client's key stakeholders? What communication vehicles are used to help Clemson stakeholders to understand and embrace best practices?
- 3. Resistance to change.** What methods does your firm use in dealing with resistance to change by Clemson stakeholders?

## **J. Optional Product or Service Offerings**

Discuss products and/or services which are not part of the proposed solution that may have additional documented benefits to the solution being proposed to Clemson. Provide a breakdown of pricing for these offerings clearly indicated as optional offerings in your Cost Proposal. Do not include cost components here.

## **K. Third Party Products or Service Offerings**

Respondent will identify all key representatives of any 3rd party business partners identified in this proposal.

Include plans for outsourcing and identify any existing arrangements with consulting firms or subcontractors, if applicable.

Respondent understands that Clemson will only be contracting with the Respondent and that any partner key 3rd party solutions executed via this agreement will be binding on the Respondent.

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#### **L. Recommended Post Implementation Technical Staffing**

Given the scope of products as outlined in this RFP document Clemson seeks the following information regarding post implementation technical staffing levels that will be required for ongoing support of the budgeting solution.

Please recommend the following:

1. The number of ongoing technical staff (FTEs) that will be required
2. The types of skills that will be required (e.g. Software Developers, Database Administrators, System Administrators, Business Analysts, Report Writers).
3. The FTE level for each type of skill set required

#### **M. Infrastructure**

Given the scope of products as outlined in this RFP document Clemson seeks information regarding the selection and configuration of infrastructure required for ongoing support of its budgeting solution.

#### **N. Audit and Compliance**

Given the scope of products as outlined in this RFP Clemson seeks that the respondent coordinates with the university Security Office and the university Auditor's Office to ensure the implementation complies with federal, state, and university policies.

#### **O. Additional Information**

Provide any additional information that will help differentiate your proposal and make it easier to comprehend.

#### **P. Other Implementation Considerations Discussed**

This section is open to the bidders for discussion of implementation considerations not covered in other sections of this document (optional).



566 **Information for Offerors to Submit – Cost Proposal**  
567

568 In addition to information requested elsewhere in this solicitation, Offerors should submit the  
569 following information for purposes of evaluation as part of their Cost Proposal.  
570

571 Clemson is accepting cost and technical proposals for the budgeting system to be delivered to the  
572 university as a vendor hosted solution and/or a solution implemented at the Clemson data centers.  
573 Clemson's preference is a vendor hosted solution, but we are willing to consider offers for a  
574 Clemson hosted solution.  
575

576 If a vendor can provide both solutions, they should submit a base proposal for a vendor hosted  
577 solution, with an option for a Clemson hosted solution. The option should be clearly detailed in the  
578 technical proposal identifying any differences in the solution from vendor hosted versus Clemson  
579 hosted. The cost proposal should be based on the vendor hosted with an alternate cost proposal for  
580 a Clemson hosted solution. The evaluation will only be for the vendor hosted solution only, but the  
581 Clemson hosted solution may be negotiated with the highest ranked offer if Clemson determines it  
582 is more advantageous to the University.  
583

584 If a vendor can only provide a Clemson hosted solution, this must be clearly pointed out in the  
585 technical proposal, and your technical proposal will be evaluated accordingly.  
586

587 The cost of the proposed solutions must be submitted separately from the technical proposal.  
588

589 A. Cost must be all inclusive of all to include any travel, lodging, and other expenses.

590 B. Clemson University is requiring three (3) environments that consist of development, QA  
591 and production instances. All costs for three (3) environments must be included in Cost  
592 Proposal.

593 C. The solution must accommodate a minimum of 100 concurrent users and cost must be  
594 reflective of this number.

595 D. Cost must be entered in the online bidding system where required as a total, fixed price cost  
596 for the implementation as outlined in Section VI of this RFP. In addition to completion of  
597 Section VI, Cost Proposal, your separate cost proposal should show a detailed breakdown  
598 of number of hours per project segment, level/title and all inclusive hourly rates that your  
599 total, fixed price is based on. If any third-party costs make up your total cost, provide a  
600 breakdown of those as well.

601 E. Payment Schedule - Respondents should provide for a payment plan to encompass the  
602 solution being offered. The payment strategy should account for payments that are tied to  
603 measurable progress and will provide a means for payment hold-back for non-performance.  
604 A percentage of the whole should be reserved for final acceptance of each module. Please  
605 provide details on the types of performance-based incentives. The final payment schedule  
606 will be negotiated with the Respondent prior to final award.

607 Please follow submittal requirements outlined in the Bid Attributes in the online bidding system for  
608 breakdown of proposals and number of copies that must be submitted.  
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613

### 614 **Qualifications – Mandatory Minimum**

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616 In order to be qualified to receive award, you must meet the following mandatory minimum  
617 qualifications. Clemson will evaluate the Respondent's ability to fulfill its proposed solution based  
618 upon specified qualifications, references and overall viability of the company or companies. The  
619 minimum qualifications are:

620

- 621 i. The proposed budgeting system (or predecessor versions of those modules) should have  
622 been implemented at a minimum of three (3) higher education institutions. At least two (2)  
623 of these institutions should represent implementations completed in the last three (3) years.
- 624 ii. Evidence that the proposed implementation services have been successfully implemented  
625 and used in comparable institutions of like mission, size, and complexity as Clemson.

626

627 The Procurement Officer may, in his discretion, consider (1) the experience of a predecessor firm  
628 or of a firm's key personnel which was obtained prior to the date Offeror was established, and/or  
629 (2) any subcontractor proposed by Offeror. (c) Provide a detailed, narrative statement providing  
630 adequate information to establish that you meet all the requirements stated in subparagraph (a)  
631 above. Include all appropriate documentation.

632

- 633 1. The successful Offeror shall provide satisfactory evidence of all required insurance coverage  
634 and licenses PRIOR TO PERFORMANCE or AS PART OF TECHNICAL PROPOSAL
- 635 2. Be sure to see the Event Activities in the online bidding system for details on deadlines for  
636 questions and/or pre-bid meetings.

637

638

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### 640 **III. Scope of Work / Specifications**

641

642 Vendors are encouraged to review the following documents from Clemson's website when  
643 preparing their technical proposal.

644

- 645 • State Budget Process: Typical Timeline,  
646 [http://www.clemson.edu/public/constituency\\_development/budget\\_process.html](http://www.clemson.edu/public/constituency_development/budget_process.html)
- 647 • Open Budget Process,  
648 [http://www.clemson.edu/cfo/budgets/policy\\_manual/philosophy/open.html](http://www.clemson.edu/cfo/budgets/policy_manual/philosophy/open.html)
- 649 • Glossary of Terms,  
650 [http://www.clemson.edu/cfo/budgets/policy\\_manual/appendices/glossary.html](http://www.clemson.edu/cfo/budgets/policy_manual/appendices/glossary.html)
- 651 • Policy Manual, [http://www.clemson.edu/cfo/budgets/policy\\_manual/](http://www.clemson.edu/cfo/budgets/policy_manual/)
- 652 • Budget Document and Forms, <http://www.clemson.edu/cfo/budgets/forms.html>
- 653 • Chart of Accounts, <https://coa.app.clemson.edu/>
- 654 • Expense Account Codes Defined, <http://www.clemson.edu/cfo/comptroller/codes.html>

- 655 • Budget Development Training Manual, which provides instructions for the annual budget  
656 development process: [http://media.clemson.edu/cfo/budgets/development-training-  
658 manual.pdf](http://media.clemson.edu/cfo/budgets/development-training-<br/>657 manual.pdf)
- 658 • PeopleSoft Budget Training Manual, which describes the budget chart of accounts structure  
659 used at Clemson in PeopleSoft Finance (Commitment Control) available via  
660 [www.Clemson.edu/cfo/budgets/](http://www.Clemson.edu/cfo/budgets/)
- 661 • Reference Guide for Salary Roll Development available via  
662 [www.Clemson.edu/cfo/budgets/](http://www.Clemson.edu/cfo/budgets/)

#### 666 **A. Chart of Account Requirements**

667  
668 The proposed Budget Solution shall provide the Central Budget Office and budget users the  
669 following capabilities to include but not limited to:

- 670 1. Using Clemson's current chart of accounts
- 671 2. Ability to create multiple revenue and expenditure budgets
- 672 3. Providing each budget center an assigned number as its identifier, that shall be the first two  
673 digits of each budget center's department numbers assigned for financial reporting purposes

#### 677 **B. Budget Entry Requirements**

678  
679 The proposed Budget Solution shall provide the Central Budget Office and budget users the  
680 following capabilities to include but not limited to:

- 681 1. Loading budget data from Microsoft Office applications
- 682 2. Loading budget data from interactive web applications
- 683 3. Loading employee position budget data from PeopleSoft based on effective date and budget  
684 year
- 685 4. Budgeting for student fees
- 686 5. Budgeting for revenue accounts
- 687 6. Budgeting for Clemson University Foundation, Clemson University Research Foundation,  
688 and other related organizations activities
- 689 7. Budgeting by fund, class, department, budget center, program, project, and expense account
- 690 8. Budgeting by salary roll and vacant positions
- 691 9. Budgeting personnel effort percentages and non-personnel costs across projects and funding  
692 sources
- 693 10. Budgeting for employees using multiple chart fields (within one department and one  
694 organization, belonging to multiple departments within one organization, belonging to  
695 multiple departments and multiple organizations) and ensuring all employee distributions  
696 equate to 100% throughout the fiscal year, and then providing for the coordinated approval  
697 of two or more organizations sharing an employee
- 698 11. Budgeting for employees salaries by manually entering data or applying percentage  
699 increases across all employees
- 700

- 701 12. Budgeting for employee salaries by base, negotiated and incentive components, by annual  
 702 percentage salary increases and or a fixed dollar amount, and by applying different salary  
 703 distributions beginning and ending at different times of the year.
- 704 13. Budgeting for projects and activities that currently do not exist but will be established  
 705 during the upcoming fiscal year
- 706 14. Budgeting for expense budgets vs. revenue budgets and providing budget development  
 707 rules to govern budget balancing vs. targets
- 708 15. Reviewing, editing, and approving budget line items based on a predetermined approval  
 709 hierarchy through configurable workflow and routing rules

710  
 711

### 712 **C. Budget Amendment Requirements**

713

714 The proposed Budget Solution shall provide the Central Budget Office and budget users the  
 715 following capabilities to include but not limited to:

716

- 717 1. Amending budgets and limits by fund, class, department, budget center, program, project,  
 718 and expense account
- 719 2. Reviewing, amending, and approving budget line items based on a predetermined approval  
 720 hierarchy through configurable workflow and routing rules
- 721 3. Adherence to predefined business rules and/or naming convention

722

723

### 724 **D. Reorganization Transfer Authorizations Requirements**

725

726 The proposed Budget Solution shall provide the Central Budget Office and budget users the  
 727 following capabilities to include but not limited to:

728

- 729 1. Entering budget reorganization transfer authorizations by fund, class, department, budget  
 730 center, program, project, and expense account
- 731 2. Reviewing budget reorganization transfer authorizations and approvals based on a  
 732 predetermined approval hierarchy through configurable workflow and routing rules

733

734

### 735 **E. Budget Reporting Requirements**

736

737 The proposed Budget Solution shall provide the Central Budget Office and budget users the  
 738 following capabilities to include but not limited to:

739

- 740 1. Reporting monthly budgets versus actuals, including details of how the budgets have  
 741 increased/decreased in relation to the initial budget loaded at the beginning of the fiscal year
- 742 2. Reporting to validate budget submissions
- 743 3. Reporting to roll up multiple chart fields (accounts) by fund, class, department, budget  
 744 center, program, project, and expense account
- 745 3. Reporting year-end closings and associated reports for projected revenue shortfalls,  
 746 revenues in excess of current budgets, expenditure overruns, etc.
- 747 4. Providing data / reports that can imported into the Clemson University budget document
- 748 5. Providing data / reports that can be imported into Microsoft Office applications

- 749 6. Providing ad hoc reporting using industry standard tools  
750 7. Providing a customizable dashboard, with an easy to read single page real-time user  
751 interface, showing a graphical presentation of the current status (snapshot) and historical  
752 trends of key performance indicators to enable instantaneous and informed decisions to be  
753 made at a glance.  
754 8. Providing in-depth reporting capabilities to assist with reconciliation  
755  
756

## 757 **F. Vendor Implementation Expectations**

758  
759 In order to effectively and efficiently implement the budget solution, Clemson requires an  
760 outstanding level of expertise from those assigned to the project. This section outlines the  
761 knowledge, skill sets, experience level and deliverables expected of individual consultants, trainers,  
762 or contracted partners. It should be noted that Clemson reserves the right to have a consultant or  
763 contracted partner replaced if they feel that entity is not qualified to do the work required or is  
764 unable to work effectively with other project resources.  
765

766 It is expected that the implementation vendor will provide full implementation services for all  
767 modules licensed purchased via this RFP. In the event the implementation vendor should elect to  
768 use a 3<sup>rd</sup> party implementation service provider for any part of the implementation, the specific  
769 nature of these services should be identified, to include reasons for the exception. If this 3<sup>rd</sup> party  
770 involvement should occur, it is expected that the implementation vendor will be accountable for the  
771 quality and timeliness of the services rendered by that 3<sup>rd</sup> party provider.  
772

773 Implementation Specific deliverables include but are not limited to  
774

- 775 1. Providing Subject Matter Experts to lead, facilitate, evaluate, and document initiatives to  
776 resolve readiness assessment findings and assisting the university in solving any  
777 outstanding issues that could be detrimental to the success of the project.
- 778 2. Providing Subject Matter Experts to lead, facilitate, evaluate, and document the  
779 implementation readiness and preparedness of each campus area / department prior to,  
780 during, and after deployment.
- 781 3. Providing Subject Matter Experts to lead, facilitate, and develop business process maps to  
782 identify as-is, to-be, and gap analysis for each of the modules implemented by each  
783 department / campus area.
- 784 4. Providing Subject Matter Experts to lead, identify, document, and present suggested  
785 changes in policies, regulations, practices, processes, strategies, and legacy to ensure  
786 successful implementation.
- 787 5. Provide Subject Matter Experts to lead and provide direction on the optimum use and  
788 configuration of supporting computational infrastructure for this effort (server architecture,  
789 network configuration / load balancing, web architecture, database, and storage  
790 architecture).
- 791 6. Providing Subject Matter Experts to train Clemson Information Technology staff in the  
792 development and integration of the budgeting solution with Peoplesoft HR / Finance, data  
793 warehouse, and the business analytics systems.
- 794 7. Providing Subject Matter Experts to evaluate and document the impact to legacy  
795 applications / programs prior to, during, and after deployment on Peoplesoft HR / Finance,  
796 data warehouse, and the business analytics systems.

- 797 8. Providing Subject Matter experts to lead and develop applications and data transfer  
798 programs to exchange data between the budgeting system and existing systems, to be  
799 authorized by the university in a separate work order / project change order.
- 800 9. Providing Subject Matter Experts to facilitate, participate, and lead the development and  
801 maintenance of detailed project plans, plan dependencies, task descriptions, tasks  
802 dependencies, time estimates, project schedules, issue logs and project deliverables.  
803 Record plans including tasks and task dependencies, and project schedules in project  
804 management software.
- 805 10. Providing Subject Matter Experts to develop and maintain project management  
806 documentation including charts, graphs, dashboards and management reports as requested  
807 by the project team and other executives of the University as requested.  
808

### 809 **G. Implementation Goals**

810  
811 Clemson's goal it is procure a comprehensive solution, providing for the lowest possible business  
812 risk, for one total fixed price.

813  
814 To accomplish this goal, Clemson is seeking an all-encompassing Implementation Plan and a total  
815 estimated Fixed Price cost to execute this plan. Clemson expects the vendor response to have cost  
816 detail reflected in a way that the University is able to understand what makes up these costs and  
817 what "is" and "is not" included. We accept the fact that there are unknowns in terms of critical  
818 implementation decisions which will drive Implementation schedules, resources and cost.  
819 Therefore, we are expecting the selected vendor to provide a detailed listing of the work  
820 requirements necessary to perform the needed "due-diligence" to create a final plan. The  
821 associated final Fixed Price should be included in the Cost Proposal only.  
822

823 If the quality of any implementation service work does not meet with Clemson's approval, the  
824 university reserves the right to take the following actions:

- 825  
826 1. Selected Vendor will either 1) remedy the problems identified by Clemson, or 2) provide  
827 for alternative services of equal or better value.
- 828 2. If the problem(s) cannot be resolved, Clemson reserves the right to solicit new bids for the  
829 work in question and to seek other remedies to complete this project. In this case, the  
830 selected vendor will be paid only for work that has been completed and Clemson will no  
831 longer be obligated to continue paying for implementation of any non-implemented product  
832 or further services.  
833

### 834 **H. Functional Training Requirements**

835  
836 The Implementation partner will provide a comprehensive training plan to be executed at Clemson.  
837 This plan will include both functional training and configuration requirements. The plan will  
838 include curriculum, delivery mechanism, participant make-up, and recommended class sizes.  
839 Functional trainers should be experienced and knowledgeable, not only in the major modules being  
840 implemented, but also experienced with workflow and its design for most effective use across all  
841 affected departmental areas.  
842

843 Functional Training specific deliverables include but are not limited to:  
844

- 845 1. Conduct session and provide assistance in “train the trainer” related needs. This would  
 846 include, but not be limited to, assembling project documentation, assist in development of  
 847 end user job descriptions, recommendations and specifications for help desk requirements,  
 848 development of training materials and development of training programs  
 849 2. Training university departments / campus areas on the use of the budgeting solution,  
 850 including development of curriculum to promote a successful transition.  
 851 3. Training university departments / campus areas on the concepts and tasks required to ensure  
 852 its operational availability.  
 853 4. Training the university Finance department staff so they can provide subject matter  
 854 expertise and first line support to all budget system users, campus wide.  
 855 5. Training Clemson Information Technology staff in the concepts and tasks required to  
 856 ensure its operational availability.  
 857 6. Training CCIT in the optimum use and configuration of supporting computational  
 858 infrastructure for this effort (server architecture, network configuration / load balancing,  
 859 web architecture, database, and storage architecture).  
 860  
 861

## 862 **I. Functional Consulting Requirements**

863  
 864 Functional Consulting Training specific deliverables include but are not limited to:

- 865  
 866 1. Providing knowledgeable and highly skilled consultants to functional teams based on their  
 867 expertise. More specificity in this regard is included in subsequent sections.  
 868 2. Providing consultants to aid in the training, module configuration, data conversion and  
 869 provide guidance and counsel on design and specification of business rules.  
 870 3. Providing consultants to assist Clemson in determining the requirements and use of  
 871 workflow within budgeting solution for development, approval, and updates to budget  
 872 submissions.  
 873

## 874 **J. Project Management Requirements**

875  
 876 Clemson expects that a project manager will be assigned to the university to schedule, manage and  
 877 supervise all vendor and contract resources assigned to the project. This project manager will assist  
 878 Clemson in discussions with the selected vendor to resolve software product issues and will elevate  
 879 critical software issues to the appropriate levels within the selected vendor’s organization.  
 880

881 The project manager will provide ongoing support and project management expertise to the  
 882 Clemson project director and other stakeholders throughout the implementation. The project  
 883 manager will collaborate with and support Clemson’s project director in carrying out day-to-day  
 884 project management activities and resolving project issues. The assigned project manager will  
 885 collaborate with Clemson technical project manager and other project teams as defined and  
 886 requested by the project director. The assigned project manager will be the single-point of contact  
 887 and the primary communication point for any project communications with vendors or sub-  
 888 contractors external to Clemson. The Clemson project director will be the single-point of contact  
 889 and the primary communication point for any project communications and issues internal to  
 890 Clemson.  
 891

892 It is mandatory that the project manager have direct prior experience managing the vendor's budget  
893 system deployment in an environment that includes PeopleSoft HR / Finance, a data warehouse,  
894 and business intelligence (preferably SAP).

895

896 Project Management Requirement deliverables include but are not limited to providing a Project  
897 Manager to:

898

- 899 1. Collaborate closely with Clemson project director and assist in day-to-day project  
900 managements activities as requested by the project director.
- 901 2. Provide ongoing guidance to project teams to keep them focused on team responsibilities,  
902 deliverables, and task completion.
- 903 3. Under the project director supervision, assisting and supporting teams experiencing delays  
904 and having outstanding unresolved issues that could impede the progress and success of the  
905 team or the project.
- 906 4. Collaborating with the Project Director to establish project management processes and  
907 metrics that will provide the necessary controls for keeping the project on schedule.
- 908 5. Facilitate and participate in the development of detailed project plans, plan dependencies,  
909 project schedules, task descriptions, tasks dependencies, task duration estimates, task  
910 owners, issue logs and project deliverables. Project management software will be used for  
911 developing and tracking the project schedule, to include both vendor tasks and university  
912 required tasks.
- 913 6. Assist the project director with updating and support of project plans, deliverables and  
914 project schedules.
- 915 7. Develop and maintain project management documentation as requested or needed by the  
916 project director and/or Clemson stakeholders.
- 917 8. Develop and facilitate a process for weekly updates to project schedules, to include analysis  
918 of progress against schedule, to ensure that the project schedule and project scope are not at  
919 risk. Recommend remedial action to the project director in the event the schedule should  
920 become at risk.
- 921 9. Assist the project director in execution of a project communication plan.
- 922 10. Develop and/or assist in the development and production of project status reports, executive  
923 level dashboards, and other required reports in accord with the project communication plan  
924 and based on the project director directions and recommendations.
- 925 11. Assist the project director in oversight of the project issues log(s).
- 926 12. Analyze and facilitate the assessment of requests for project scope changes or software  
927 modifications, with a primary goal of finding 'work around' alternatives, thus supporting  
928 the desire of the university to minimize any extraneous software customizations.
- 929 13. Assist the project director in facilitation of risk assessment sessions as needed to identify  
930 and analyze potential issues or roadblocks, and recommend to the project director  
931 corrective action to alleviate or mitigate potential problems.
- 932 14. Collaborate with project director and university stakeholders to develop final check out  
933 processes and procedures as modules are made ready for production.

934

935 The Clemson Project Director deliverables include but not limited to:

936

- 937 1. Meet regularly with the project sponsors and/or the project executive steering committee to  
938 provide project status and discuss resolutions to project issues.



- 939 2. Manage and guide project management support team (implementation partner project  
940 manager, technical project manager and project scheduler) to ensure day-to-day project  
941 management activities are completed.
- 942 3. Assist in establishing and staffing the appropriate project teams to ensure an efficient and  
943 effective implementation.
- 944 4. Control and track project budget and expenditure.
- 945 5. Provide oversight of project plans and project deliverables.
- 946 6. Manage the execution of a project communication plan that ensures all stakeholders  
947 understand the goals of the project, the reasons for the project, the progress being made on  
948 the project and that stakeholders are prepared for milestone events throughout the life of the  
949 project. The project management support team will assist the project director in building  
950 and maintaining all communications materials.
- 951 7. Present and communicate project status reports, executive level dashboards, and other  
952 required reports during meetings and other forms of project communications based on the  
953 project communication plan.
- 954 8. Oversee the management of the issues log(s) with the support of the implementation partner  
955 project manager.
- 956 9. Control and oversee the requests for project scope changes or software modifications.
- 957 10. Conduct risk assessment sessions in collaboration with the implementation partner project  
958 manager to identify and analyze potential issues or roadblocks.
- 959

#### 960 **K. Change Management Requirements**

961

962 It is anticipated that transitioning from job functions related to the current legacy system operations  
963 to the duties related to the new budgeting systems could create apprehension and fear for some of  
964 the Clemson departmental staff.

965

966 Change Management specific deliverables include but are not limited to:

967

- 968 1. Providing consultants experienced in appropriate communications and training skills to  
969 assist and support this transition. The consultants will collaborate with Clemson  
970 stakeholders to develop strategies, and possibly coaching sessions or workshops, for  
971 executing a smooth transition.
- 972

#### 973 **L. Technical Consulting Requirements**

974

975 Clemson requires technical support for each implementation area/project to be provided by the  
976 selected vendor. The vendor needs to assign an experienced technical consultant(s) to the  
977 implementation team.

978

979 Technical Consulting specific deliverables include but are not limited to:

980

- 981 1. Providing on call technical consulting on an 'as needed' basis during predetermined periods  
982 during the project implementation to ensure smooth transition to production during critical  
983 times as each module goes on-line, as needed on a task order basis.
- 984 2. In collaboration with Clemson staff, developing a comprehensive strategy for installing,  
985 integrating and interfacing the budgeting solution modules, developing workflows, and  
986 reflect how the budgeting system will be integrated with PeopleSoft HR and Finance, the

987 data warehouse, and the business intelligence systems. This strategy will include a plan for  
988 communications, training and project transition from development into production. The  
989 project plan will be refined and finalized to include project scope, project schedule, project  
990 milestones, project deliverables, staffing levels, success criteria, and training requirements  
991 for the project staff.  
992  
993

#### 994 **M. Technical Training Requirements**

995

996 Technical Training specific deliverables include but are not limited to:

997

- 998 1. Delivering technical training to the Clemson technical staff to bridge the gaps and ensure  
999 that the technical knowledge required for supporting budgeting system and integrating it  
1000 with PeopleSoft HR and Finance, the data warehouse, and the business intelligence  
1001 systems.

1002

1003

#### 1004 **N. Data Migration and Integration Requirements**

1005

1006

1007 Data Migration and Integration deliverables include but are not limited to:

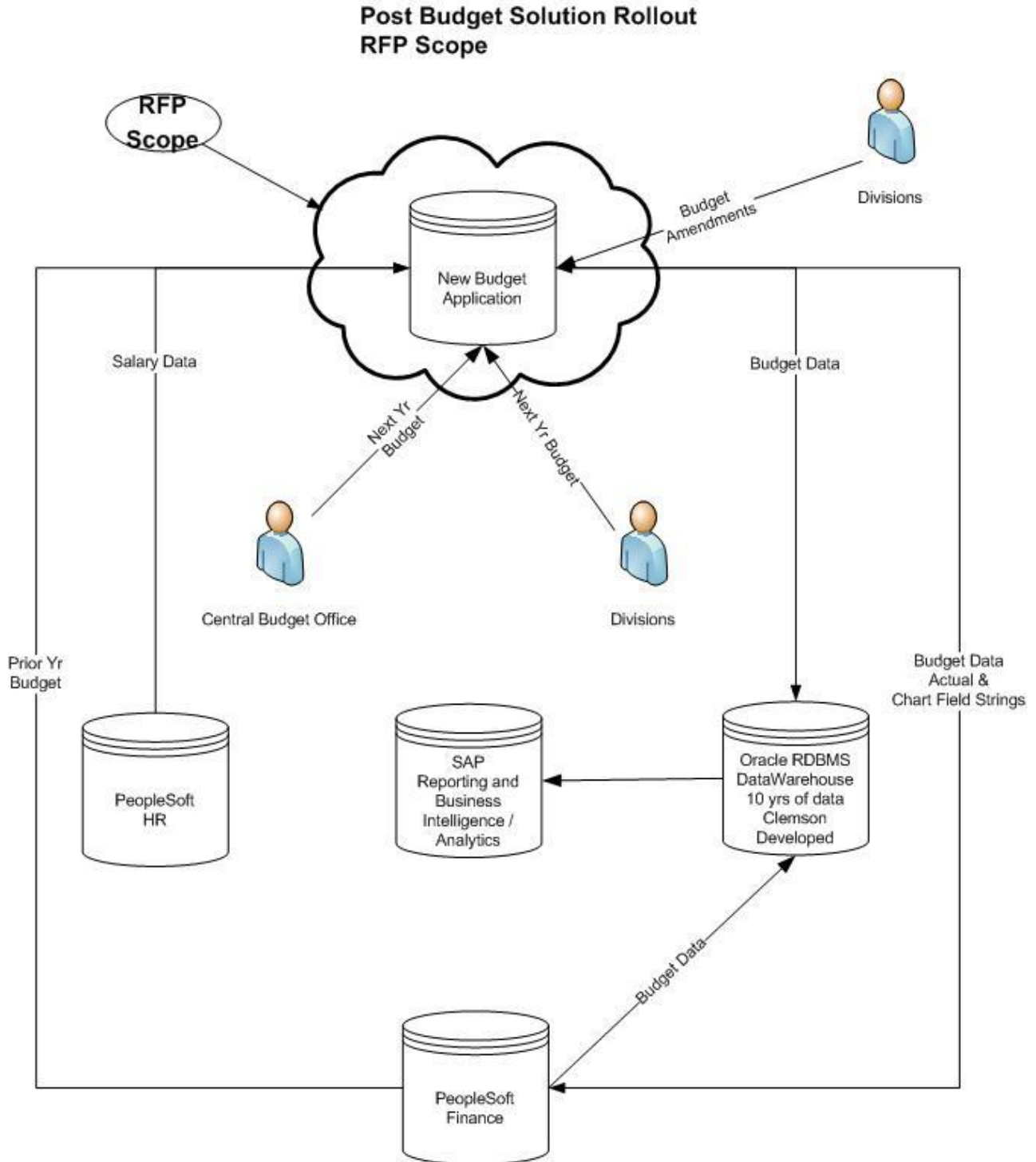
1008

- 1009 1. Providing applications programming support to Clemson technical staff to help facilitate  
1010 and migrate data to / from People PeopleSoft HR and Finance, the data warehouse, and the  
1011 business intelligence systems, as needed on a task order basis.
- 1012 2. Assigning technical resources/programmers who are highly experienced in using Oracle  
1013 development tools, data migration tools, reporting tools and other utilities needed.  
1014 Migration assignments may include programming of data conversion processes, loading of  
1015 converted data, programming of interfaces, as needed on a task order basis (data loads and  
1016 data extracts)

1017

1018

1019  
1020 Provided below is a diagram of the business systems after the proposed budgeting solution has  
1021 been implemented. Note, that the scope of this effort is limited to a purchase and implementation  
1022 of a budgeting solution. It does not include replacement of the Data Warehouse or Business  
1023 Intelligence / Analytic systems.  
1024  
1025



1026  
1027  
1028

1029

1030

**1031 O. System Customization Requirements**

1032

1033 The selected vendor will be expected to advise Clemson on options available that will ensure  
1034 required data transaction flows.

1035

1036 System Customization deliverables include but are not limited to:

1037

- 1038 1. Estimating and proposing costs for needed customizations based on gaps in required  
1039 functionality discovered during fit-gaps and business process analysis.

1040

**1041 P. Hosting Requirements**

1042

1043 Clemson is accepting cost and technical proposals for the budgeting system to be delivered to the  
1044 university as a vendor hosted solution and/or a solution implemented at the Clemson data centers.  
1045 Clemson's preference is a vendor hosted solution, but we are willing to consider offers for a  
1046 Clemson hosted solution.

1047

1048 If a vendor can provide both solutions, they should submit a base proposal for a vendor hosted  
1049 solution, with an option for a Clemson hosted solution. The option should be clearly detailed in the  
1050 technical proposal identifying any differences in the solution from vendor hosted versus Clemson  
1051 hosted. The cost proposal should be based on the vendor hosted with an alternate cost proposal for  
1052 a Clemson hosted solution. The evaluation will only be for the vendor hosted solution only, but the  
1053 Clemson hosted solution may be negotiated with the highest ranked offer if Clemson determines it  
1054 is more advantageous to the University.

1055

1056 If a vendor can only provide a Clemson hosted solution, this must be clearly pointed out in the  
1057 technical proposal, and your technical proposal will be evaluated accordingly.

**1058 Clemson Hosting Requirements**

1059

1060 Clemson Hosting requirements include but are not limited to:

1061

- 1062 1. Shall provide the university a budget system that runs on Redhat Linux Enterprise version 6  
1063 or higher, Windows Servers 2008 Service Pack 2 or higher, Oracle Enterprise Edition  
1064 version 11.2 or higher, and or Microsoft SQL Server 2008 R2 or higher.
- 1065 2. Integrate with the Clemson Identity Management System for authentication and  
1066 authorization via either Shibboleth/SAML2 (preferred) or Secure LDAP (LDAPS).
- 1067 3. A system hosted in Clemson's datacenter must be supported on virtualized hardware.
- 1068 4. Vendor should specify all software as well as the computing, graphics, RAM and storage  
1069 capacity required.
- 1070 5. The system must be compatible with and accessible via the IPV6 networking standard.
- 1071 6. The system must provide an API for provisioning of user accounts.
- 1072 7. The system should provide for disaster recovery and business continuity either through  
1073 vendor hosted solution or integration with Clemson's DR/BC architecture.

1074

1075 **Vendor Service Level and Hosting Agreement Requirements**

1076

1077 The vendor shall provide Service Level and Hosting Agreements that define and address:

1078

- 1079 • Application latency
  - 1080 ○ Error correction time
  - 1081 ○ Remedies
  - 1082 ○ Price caps
- 1083 • Monitoring
- 1084 • Support
  - 1085 ○ Technical support hours / days
  - 1086 ○ End user support hours / days
  - 1087 ○ Escalation requirements and timelines
- 1088 • Disaster recovery
  - 1089 ○ Process, procedure, timeline
- 1090 • Scaling
  - 1091 ○ Network capacity
  - 1092 ○ Compute capacity
  - 1093 ○ Storage capacity
  - 1094 ○ Memory capacity
- 1095 • Backups
  - 1096 ○ Cold, hot, full, incremental, retention schedules
  - 1097 ○ Data deletion
  - 1098 ○ Chain of custody
- 1099 • Cooling
  - 1100 ○ Capacity, redundancy
- 1101 • Security
  - 1102 ○ Firewalls, Intrusion detection, stateful packet inspection (dynamic packet filtering),
  - 1103 physical, logical
- 1104 • Data Center Certifications
  - 1105 ○ Data Center Audits
- 1106 • Software licensing
  - 1107 ○ Change of service providers
  - 1108 ○ Load balancing
  - 1109 ○ Password management
  - 1110 ○ Root access
- 1111 • Identity management
  - 1112 ○ LDAP, Schibboleth
- 1113 • Change Control
- 1114 • Partners
  - 1115 ○ Use of 3rd party vendors
  - 1116 ○ Off shore vendors
  - 1117 ○ Mergers and acquisitions
- 1118 • Performance before payment
- 1119 • Holdbacks

- 1120 • Warranty and disclaimer
- 1121 • Term
- 1122 • Duties and obligations
- 1123 • Technology refresh
- 1124 • Project management
- 1125 • Dispute resolution
- 1126 • Contract Termination
  - 1127 ○ Process and timeline of data transfer
  - 1128 ○ Mergers and acquisitions
  - 1129 ○ 3rd party vendors

1130

## 1131 V. Terms and Conditions Special

1132

### 1133 EVALUATION FACTORS -- PROPOSAL

1134 The proposal will be evaluated using only the factors stated below. Evaluation factors are stated in  
 1135 the relative order of importance, with the first factor being the most important. Once evaluation is  
 1136 complete, all responsive Offerors will be ranked from most advantageous to least advantageous.

1137

1138 **Offerors responding to this RFP will be evaluated based on the information provided in the**  
 1139 **Offeror's proposal and on the basis of the following criteria, which are listed in order of**  
 1140 **importance:**

1141

1142

#### 1143 Evaluation Criteria:

1144

- 1145 1. Technical Proposal: The degree, completeness, and suitability of the Offeror's proposed  
 1146 technical solutions to meet or exceed the requirements of this RFP; vendor hosted solution  
 1147 vs. Clemson hosted solution. **50%**
- 1148
- 1149 2. Cost Proposal: The total cost of ownership for the base solution for the potential five year  
 1150 contract period. **20%**
- 1151
- 1152 3. Demonstration: On site demonstration. **20%**
- 1153
- 1154 4. Offeror's Qualifications: The Offeror's experience, references and key staff must provide  
 1155 evidence of its depth and breadth of experience, and evidence of successful past  
 1156 performance with projects of this similar size and scope. **10%**
- 1157

#### 1158 Demonstration:

1159

1160 After the evaluation of the Technical Proposal, Offeror's Qualifications and factoring the Cost  
 1161 Proposal into the evaluation as outlined by the points assigned to each of those criterion above, all  
 1162 Offerors' proposals ranked close enough to the highest scoring Offeror where the award of points  
 1163 allowed for a demonstration could shift the final ranking, will be asked to provide a demonstration.  
 1164 These Offerors will then be evaluated based on the number of points listed above for the on-site  
 1165 Demonstration Criterion.

1166  
1167 Demonstrations are tentatively set for **July 22, 2013 – July 26, 2013**. Each Offeror invited to  
1168 demonstrate will be furnished with a detailed list of items Clemson University would like to see  
1169 addressed during the demonstration. This list will be provided via email by Clemson University's  
1170 Procurement Officer. Once this list is provided, Offeror(s) will have one week for preparation  
1171 prior to the actual demo being scheduled and presented for evaluation purposes. Each Offeror(s)  
1172 invited to demonstrate will be required to furnish all equipment, items, and services they need to  
1173 present their demonstration. Only power and Internet access will be made available to the Offeror.  
1174 Further instructions and directions will be provided to those Offeror(s) invited to provide a  
1175 demonstration.

1176  
1177 The following specifications should apply to all live on-site demos. All on-site demos will be  
1178 provided at vendor's expense.

- 1179
- 1180 1) The demonstration should not last more than 3 hours for demonstration and questions.
  - 1181
  - 1182 2) A brief outline of the components to be covered in the demo will be provided to the  
1183 offeror(s) by Clemson University's Procurement Officer as stated above.
  - 1184
  - 1185 3) All components covered in the demo must be components necessary to fulfill the  
1186 requirements of the scope of the RFP document. It is understood that any components  
1187 covered in the demonstration phase are included in the Offeror's Technical and Cost  
1188 Proposal as the base solution with no additional costs incurred. Any demonstration  
1189 including add-ons or additional enhancements that are **not** part of the base solution **must**  
1190 clearly point this out during the demonstration phase so that the evaluation team  
1191 understands that the components are **not** part of the base solution and may incur additional  
1192 costs. These components would be considered additional enhancements as outlined in  
1193 Section II. Although it is strictly prohibited to discuss costs in the demonstration phase,  
1194 Offeror's must clearly identify any components covered in the demo that are additional  
1195 enhancements.
  - 1196

1197 NOTE: After demonstrations are considered and factored into the evaluation process, the highest  
1198 Total scorer will be the apparent winner, subject to negotiations and validation by Clemson  
1199 University Procurement Services Procurement Officer.

1200

1201

1202

1203 **VI. Cost Proposal**

1204

1205 PRICE PROPOSAL: Notwithstanding any other instructions herein, you shall submit the following  
 1206 price information as a separate document:  
 1207

Cost Component	Cost					Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
Cost of Software (to include a minimum of 100 concurrent users and three environments – Development, QA & Production)						
Software Maintenance & Support (years 1-5 – to include a minimum of 100 concurrent users and three environments – Development, QA & Production)						
Appended Software (if applicable)						
Hardware costs (if applicable)						
Training Costs						
Implementation Costs						
Data Conversion & Integration						
Documentation & Training Materials						
Costs for Additional Professional Services						
Any Other Costs not defined above						
TOTAL						

1208

1209 **Total for years 1-5 above will be used for evaluation purposes and considered to be the “Base**  
 1210 **Solution” costs. This Base Solution Cost (years 1-5) must be transferred to Total Price in**  
 1211 **Online Bidding system as well.**

1212

1213 **Offeror should clearly list optional items and any other charges associated with any item in**  
 1214 **their cost proposal. A detailed breakdown of number of hours per project segment, level/title**  
 1215 **and all inclusive hourly rates that your total, fixed price is based on must be included as part**  
 1216 **of your Cost Proposal.**

1217



1218 **The offeror should not include any technical information in the cost proposal.**

1219

1220

1221 **Optional Items:**

1222 *(This cost will not be used in the evaluation but may be negotiated.)*

1223

1224 001 1 Day Optional Item - This item will not \$\_\_\_\_\_/day

1225 be used for evaluation purposes

1226 but is an optional item to handle

1227 any additional off-site training

1228 needed beyond what is included

1229 in initial software training as

1230 specified in table above.

1231 Please indicate daily rate for off-site training.

1232

1233 002 1 Day Optional Item - This item will not \$\_\_\_\_\_/day

1234 be used for evaluation purposes but is

1235 an optional item to handle any additional

1236 on-site training at Clemson University

1237 needed beyond what is included in initial

1238 software training as specified in table above.

1239 Please indicate daily rate for on-site training

1240 to include travel, meals, lodging and all expenses.

1241

1242 003 1 HR Optional Item – This item will not \$\_\_\_\_\_/hr

1243 be used for evaluation purposes but is

1244 an optional item to handle any future

1245 programming/development/customization/

1246 consulting services.

1247 Cost for future programming/development/

1248 customization/consulting

1249 services based on hourly rate as outlined in

1250 Scope of Work above. Rate must be all inclusive

1251 of travel, meals, lodging and all expenses.

1252

1253