

OSG Finance Board

26 April 2007

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Outline

- Year1
 - SOW Status
 - Budget Allocation & Usage
 - Mid-year Budget Update (DOE Budget, Rollover)
 - Staff Changes (Indiana, Iowa → UIUC/NCSA)
 - Change Request Process
 - Status Reporting and WBS Update Process
- Year2
 - Planning Dates/Meetings
 - Key Factors to be addressed
 - Master Schedule for year2 Planning

OSG Year1

Resource Management

Accomplishments / Status



Year1: SOW Update

- Funding subcontract from UW-Madison to Institutions is triggered by completion of signed-off SOW
- Funding received by National Labs directly from DOE is aligned with Work Program via the SOW process
- Lessons from year1 process
 - Overall approval process too labor intensive and slow
 - Open Source licensing added to SOW language
 - Questions about IP; restrictions on use
 - Approval at SRO stage complicated
 - Liability for payment contingent on funding from NSF/DOE
- For year2, need to improve process to enable faster approval to permit more timely transfer of funds to the various institutions
 - Use parallel or joint action by principals in approval chain
 - WBS is master “living document” driving work program; SOW is a “snapshot” of commitments at start of year

Status of OSG Year1 SOWs

20 April 2007

	Inst. PI	Res. Mgr.	Exec. Dir.	Fac. Dir.	Inst. SRO	UW-Contracts
UW-Madison	X 31 Jan 2007					
U of NC - RENC						X
U of Iowa					X	
U of Florida		X			24 Apr 2007	
U of Chicago / ANL					X 15 Dec 2006	
UCSD				X		
SLAC	X					
LBNL	X				24 Apr 2007	
Indiana U			X		24 Apr 2007	
FermiLab				X		
Cornell Univ				X		
Columbia Univ				X	5 Jan 2007	
USC - ISI					X	
CalTech					X	
BNL			X			
Boston Univ		X				

Progress on the Signature Trail

X = Status on Dec 13, 2006



Year1: Open SOW Issues

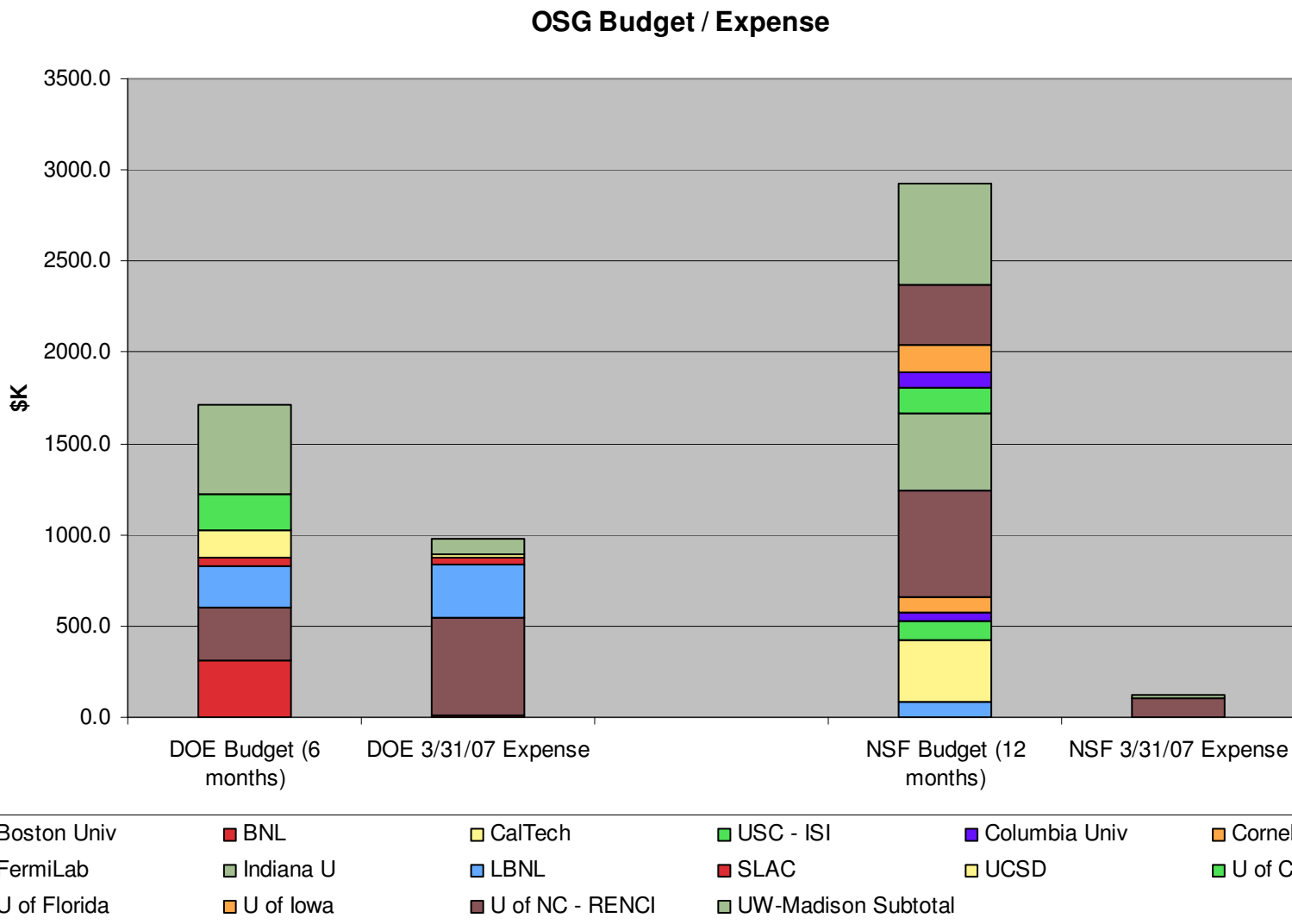
- Five SOWs awaiting SRO signature
 - 3 just recently moved to this stage
 - U-Chicago approval slowed by
 - signature authority issues due to NSF + DOE funding
 - Many questions to be addressed (22 emails since Apr 01)
 - Columbia University stalled due to unknown issues
- UW-Madison own SOW still in draft form
 - Draft submitted to PI on 1/31/07
 - Responsibility delegated to acting deputy (Todd)
- At present, only 76% of “subcontract” allocations of funds has been accomplished (see next chart) due to delays in SOW approval process (*4 institutions still not funded*)

Year1: Subcontract Status

20 April 2007

NSF Subcontracts									
Subcontracts:	Req #	Budget Received	SOW Received	Date Sent	Year 1	Split Y1 Funding		Req Cum Approved	Total Invoiced/ Spent to Date
Boston Univ	647F194	X	X	3/20/07	85,000.00			85,000.00	
Caltech	647F205	X	X	2/22/07	440,000.00	338,000.00		338,000.00	
Univ of Southern CA-ISI	647F312	X	X	2/8/2007		102,000.00		102,000.00	
Columbia Univ	647F216	X			50,000.00				
Cornell Univ-Endowed	647F220	X	X	1/9/07	79,000.00			79,000.00	
FERMI Nat Accel Lab	647F286	X	X	2/1/07	590,000.00			590,000.00	
Indiana Univ	647F231	X			426,000.00				
Univ of Chicago	647F242	X			135,000.00				
Univ of Florida	647F253	X			85,000.00				
Univ of Iowa	647F264	X	X	2/1/07	150,000.00			150,000.00	
Univ of NC - Chapel Hill	647F275	X	X	11/13/06	327,000.00			327,000.00	106,261.78
UW-Madison	N/A	X		N/A	344,000.00			344,000.00	3,391.61
Yr 1 OH on Subcontracts	N/A				121,000.00			121,000.00	11,750.00
OISE Travel funds	N/A				45,000.00			45,000.00	2,929.35
Contingency					50,000.00			50,000.00	
TOTAL BUDGET					2,927,000.00			2,231,000.00	124,332.74
						Funds Allocated		76.22%	
DOE Subcontracts									
Subcontracts:	Req #	Budget Received	SOW Received	Date Sent	Year 1 (first half)			Req Cum Approved	Total Invoiced/ Spent to Date
Univ Calif-San Diego	647F290	X	X	12/19/06	155,000.00			155,000.00	18,094.74
Univ of Chicago	647F301	X			200,000.00				
UW-Madison	N/A	X	N/A	N/A	461,500.00			461,500.00	74,895.10
Y1 OH on Subcontracts	N/A				23,500.00			23,500.00	8,504.53
TOTAL BUDGET					840,000.00			640,000.00	101,494.37
						Funds Allocated		76.19%	

Year1: OSG Expenses As Of 31 Mar 2007



Year1: OSG Expenses As Of 31 Mar 2007

Insitution	DOE Budget (6 months)	DOE 3/31/07 Expense		NSF Budget (12 months)	NSF 3/31/07 Expense		Total Year1 Budget	Total 3/31/07 Expense
Boston Univ				85.0			85.0	0.0
BNL	306.0	6.6					306.0	6.6
CalTech				338.0			338.0	0.0
USC - ISI				102.0			102.0	0.0
Columbia Univ				50.0			50.0	0.0
Cornell Univ				79.0			79.0	0.0
FermiLab	300.0	537.8		590.0			890.0	537.8
Indiana U				426.0			426.0	0.0
LBNL	221.0	291.9					221.0	291.9
SLAC	45.0	41.2					45.0	41.2
UCSD	155.0	18.1					155.0	18.1
U of Chicago / ANL	200.0			135.0			335.0	0.0
U of Florida				85.0			85.0	0.0
U of Iowa				150.0			150.0	0.0
U of NC - RENCI				327.0	106.3		327.0	106.3
UW-Madison Subtotal	485.0	83.4		560.0	18.2		1045.0	101.6
Total	1712.0	979.0		2927.0	124.5		4639.0	1103.5



Year1: Mid-year Budget Update

- NSF

- “Rollover” of funds needs to be assured based on current UW-Madison subcontract language. Resolution certainly possible via “no cost extension”; awaiting guidance from UW-Madison on most pragmatic (least effort) path

- DOE

- UW-Madison received full year2 amount of \$1417K on April 20, 2007
- Per Glen Crawford: *“We supplied HEP funding for the OSG lab work in the April financial plan. The amounts were based on the funding profile determined last year when the project was originally funded. These are: \$604k BNL, \$592k FNAL, \$244k LBNL..... I think NP and ASCR funding will be provided in May....”*
- Need to verify schedule and amounts for NP and ASCR year2 funding
- Need to understand \$8K (less) discrepancy in HEP funds for each of 3 labs
- Need to address increased overhead rates at FNAL (are there others?)

Year1: Institutions/Staffing Changes

- OSG Operations staffing issue (due to movement of L. Grundhoefer) at Indiana
 - New work/staff agreements in-place
 - New SOW in-progress thru approval process
 - New multi-year budget draft created (see next chart)
- U-Iowa staff (Shaowen Wang plus others) moving to U-Illinois/NCSA
 - Terminate Iowa subcontract as of 6/30/07
 - New draft SOW for UIUC/NCSA in progress; to be effective 7/1/2007 to 9/30/2007 (\$32,500)
 - New multi-year budget draft created (see next chart)
- Caltech staff “rollover” almost resolved
 - New “overhead rates” by SRO office stimulated loss of 2 people
 - 1st replacement on-roll; 2nd replacement imminent

Updated 5-year OSG Budget Based on Year1 Project Changes (subject to further change via Year2 Planning)

	09/01/06-08/31/07		09/01/07-08/31/08	09/01/08-08/31/09	09/01/09-08/31/10	09/01/10-08/31/11	
NSF Subcontracts:	Year 1		Year 2	Year 3	Year 4	Year 5	Total
Boston Univ	85,000.00		85,000.00	85,000.00	85,000.00	85,000.00	425,000.00
Caltech	338,000.00		440,000.00	440,000.00	440,000.00	440,000.00	2,098,000.00
Univ of Southern CA-ISI	102,000.00						102,000.00
Columbia Univ	50,000.00		50,000.00	50,000.00	50,000.00	50,000.00	250,000.00
Cornell Univ-Endowed	79,000.00		79,000.00	79,000.00	79,000.00	79,000.00	395,000.00
FERMI Nat Accel Lab	590,000.00		590,000.00	590,000.00	590,000.00	590,000.00	2,950,000.00
Indiana Univ	426,000.00		447,000.00	447,000.00	447,000.00	447,000.00	2,214,000.00
Univ of Chicago	135,000.00		100,000.00	100,000.00	100,000.00	100,000.00	535,000.00
Univ of Florida	85,000.00		85,000.00	85,000.00	85,000.00	85,000.00	425,000.00
Univ of Iowa	117,500.00						117,500.00
Univ of Illinois / NCSA	32,500.00		130,000.00	130,000.00	130,000.00	130,000.00	552,500.00
Univ of NC - Chapel Hill	327,000.00						327,000.00
UW-Madison	344,000.00		619,000.00	619,000.00	619,000.00	619,000.00	2,820,000.00
Yr 1 OH on Subcontracts	121,000.00						121,000.00
OISE Travel funds	45,000.00						45,000.00
Contingency	50,000.00		125,000.00	125,000.00	125,000.00	125,000.00	550,000.00
Total NSF Budget	2,927,000.00		2,750,000.00	2,750,000.00	2,750,000.00	2,750,000.00	13,927,000.00
	09/30/06-03/31/07	04/01/07-03/31/08	04/01/08-03/31/09	04/01/09-03/31/10	04/01/10-03/31/11	04/01/11-03/31/12	
DOE Subcontracts:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Univ Calif-San Diego	155,000.00	310,000.00	329,000.00	348,000.00	369,000.00		1,511,000.00
Univ of Chicago	200,000.00	622,000.00	622,000.00	622,000.00	622,000.00	422,000.00	3,110,000.00
UW-Madison	461,500.00	485,000.00	485,000.00	485,000.00	485,000.00		2,401,500.00
Y1 OH on Subcontracts	23,500.00						23,500.00
DOE Sub-total - Univ	840,000.00	1,417,000.00	1,436,000.00	1,455,000.00	1,476,000.00	422,000.00	7,046,000.00
	09/30/06-03/31/07	04/01/07-03/31/08	04/01/08-03/31/09	04/01/09-03/31/10	04/01/10-03/31/11	04/01/11-03/31/12	
DOE Direct to National Labs	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
FNAL	300,000.00	600,000.00	611,000.00	647,000.00	685,000.00		2,843,000.00
BNL	306,000.00	612,000.00	649,000.00	688,000.00	729,000.00		2,984,000.00
SLAC	45,000.00	138,000.00	138,000.00	138,000.00	138,000.00	93,000.00	690,000.00
LBNL	221,000.00	490,000.00	505,000.00	521,000.00	538,000.00	93,000.00	2,368,000.00
DOE Sub-total - Labs	872,000.00	1,840,000.00	1,903,000.00	1,994,000.00	2,090,000.00	186,000.00	8,885,000.00
TOTAL DOE Budget	1,712,000.00	3,257,000.00	3,339,000.00	3,449,000.00	3,566,000.00	608,000.00	15,931,000.00
GRAND TOTAL	4,639,000.00	3,257,000.00	6,089,000.00	6,199,000.00	6,316,000.00	3,358,000.00	29,858,000.00
DOE Year6 Funding status is not yet determined							



Year1: Change Control Process

- Two changes executed thru defined process; both involved milestone changes
- Approval process updated based on process execution experience (OSG DocDB 523-v2 and 538-v3); two options now exist
 - Approval via signature routing
 - Approval via review at Executive Team meeting
- Expect to initiate more after review of latest WBS update inputs

Year1: Reporting Work Accomplishments

- Project agreement to provide monthly individual effort reports, quarterly Institutional PI reports, and quarterly area coordinators reports
- OSG Twiki updated to permit “structured” input reporting
 - Monthly WBS Update
 - Quarterly PI reports
 - Quarterly Area Coordinator Reports
- Timely submission of updates and reports within OSG needs attention
 - Periodic project management review meetings
 - Earlier visibility into WBS late and upcoming milestones
 - Trigger for action (change control, reporting, etc.)
 - Enable culture change toward “project execution mechanisms”
 - Align WBS planning detail to project management/tracking intent

OSG Year2 Resource Management Planning

Year2: Key Planning Meetings

June 7 AM	Top Level Year2 Planning
June 11-14	Area Coordinator Planning
July 24 AM	Review 3 level WBS, Program of Work & Budget
August 17	OSG Council



Year2: Planning Considerations

- Execution on year1 Work Program
- Internal Considerations
 - Flat budget profile
 - Budget for equipment
 - Budget for travel
 - Staffing gaps that still exist from year1
- External Considerations
 - Better understanding of funding agency requirements (e.g. focus on metrics, etc.)
 - Inputs from Experiments & Science Communities
 - Inputs/agreements with external projects
- Other inputs

Year2: Planning Proposal

High-level Milestones

What	Who	When
Update high level year2 goals from original proposal via input from Science communities, funding agencies, and external projects; document updated view of year2 high level requirements/goals	Executive Team	May 15 to June 1
Allocate High-level goals to OSG Area Coordinator Team (and PIs, as needed); deploy to area coordinators	Executive Team	June 7 AM Meeting
Develop 2 to 3 layer WBS (w/definitions) and resource estimates (spanning the matrixed team across various institutions) to accomplish OSG Year2 High-level Goals	Area Coordinators (and PIs)	June 11-22
Capture all the Area Coordinator work plans into unified WBS and develop year2 budget proposal	Resource Managers	June 25-July 13
Offline Review, Discussion, & Iteration of WBS and year2 budget proposal	All PIs	July 16-23
Baselined view of Year2 Goals, high-level WBS, and Budget Plan	Executive Board	July 24 AM Meeting
Prepare year2 SOW drafts with assistance from Project Associate	PIs, Exec. Director, Project Associate	August 1-31
Review year2 Plan	OSG Council	August 17 Meeting
Finalize WBS in MS Project and prepare year2 project plan document	Exec. Director, Project Assoc., Resource Mgrs	September 4-30
Start SOW Approval Process	All	September 4

Questions and Discussion