

NEUP Review

for continuous improvement



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Outline

- Objective
 - Critically assess 2009 NEUP process
 - Uncover potential NEUP improvements
- Workshop
- Award Process Statistics
 - University Limits?
 - PI Limits?



NEUP Workshop

- Is it really necessary and effective?
 - Programs were cut: e.g. LWR Sustainability
 - Topics were cut: e.g. policy changes for closing the fuel cycle
 - Expensive in faculty and DOE time and dollars.
- Can we do better?
 - Detailed and correct RFP
 - Should funding be so firmly linked with programs?
 - If so, should labs direct the funding.
 - Can topics be truly identified before the RFP?



Award Limit

- Initially there was a \$2M limit per university
- Why?
 - Spread around money?
 - Assure department could supply quality graduate students to carry out research?
- Funding increased and limit was removed
 - 3 Universities got 1/3 of the \$44M
 - Can the top awardees effectively carry out the research?



Award and Student Statistics

Assumes \$400K, 3yr grants, funding 2 GRAs per grant.

University	Total Funding	Percent	Cumulative	NE BS Grads	NE Grad Degrees	NE Grad Students	NE GRAs Needed
1	\$5,463,879	12.50%	13%	19	21	42	27
2	\$4,797,145	11.00%	24%	18	27	66	24
3	\$4,468,105	10.20%	34%	20	24	80	22
4	\$2,857,911	6.50%	40%	0	0	0	14
5	\$2,845,498	6.50%	47%	30	23	95	14
6	\$2,178,705	5.00%	52%	2	5	12	11
7	\$2,119,283	4.80%	57%	0	0	0	11
8	\$1,638,310	3.70%	60%	25	8	33	8
9	\$1,497,500	3.40%	64%	31	18	63	7
10	\$1,462,975	3.30%	67%	0	14	25	7
11	\$1,318,560	3.00%	70%	49	4	11	7
12	\$1,178,644	2.70%	73%	0	0	0	6
LIMIT	\$2,000,000						10



Awards per Investigator

PI	# PI	# Collaborator	Total
1	3	1	4
2	3	0	3
3	3	0	3
4	2	4	6
5	2	4	6
6	2	3	5
7	2	1	3
8	2	0	2
9	1	2	3
10	1	2	3
...
n	0	8	8

Total 46

NERI's did not used to allow this.

Can a faculty member effectively lead three projects?

Can a faculty member effectively be involved in 8 projects?

Were current and pending support declarations used? How?

Is this the most effective use of faculty capital?



Ideas for Improvement??

- Develop a process in which we can adhere to RFP Topics.
- Maintain \$2M limit with respect to GRA assumption?
- Use current and pending support information.
- Maintain NERI limits of one project per PI?