

Cover Page for Proposal Submitted to the National Aeronautics and Space Administration

NASA Proposal Number

TBD on Submit

NASA PROCEDURE FOR HANDLING PROPOSALS

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SECTION I - Proposal Information											
Principal Investigator				E-mail Add	ress					Phone	Number
	Gregory Bothun nuts@bigmoo.uoregon.edu					541-346-2569					
Street Address (1)				l.		Address (2)					
1371 E 13th Ave											
City			State / F	Province			Postal C	ode			Country Code
Eugene			OR				97403	-9700			US
Proposal Title: Oregon	ı Climate I	iteracy Educati	on Initia	tive			•				
						_					
Proposed Start Date		Proposed End Date Total Budget Year 1 Budget Year 2 Budget				udget Year 3 Budget					
11 / 01 / 2010	10	/ 31 / 2013	3	350,219.00)	114,583.00		112,	658.00		122,978.00
			SEC	TION II - A	Applica	ation Information					
NASA Program Announce	ement Numb	er NASA Progran	n Annound	ement Title							
NNL10ZB1011C						GCCE): Research	Experie	nces, M	odelin	g & Da	ata
For Consideration By NA	SA Organizat										
NASA , Headquarte									,		
Date Submitted	,	Submission Me			C	Grants.gov Application Id	dentifier		Applica	nt Propo	osal Identifier
		Electronic S	ubmissi	on Only							
Type of Application New	Pre	decessor Award Nu	mber	Other Fe	deral Ag	gencies to Which Propos	sal Has B	een Subm	nitted		
International Participation	n Tvp	e of International Pa	articipation	1							
No	. ',,										
		SE	CTION I	II - Submit	ttina O	rganization Informa	tion				
DUNS Number	CAGE Code										
948117312	4B865	481278531	uncation	unibei (Eiiv	101 1114)	2A	pe				
Organization Name (Star						2A		Compan	v Divisio		
University Of Oreg								Compan	y Diviole	"	
Organization DBA Name								Division	Number		
RESEARCH SERV		D ADMINISTRA	ATION					2.1.0.0			
Street Address (1)					S	treet Address (2)					
5219 UNIVERSITY	Y OF ORE	GON				,					
City		<u> </u>	State / F	Province	I		Postal C	ode			Country Code
EUGENE			OR		974035295					USA	
		SEC	CTION IV	- Propos	al Poin	nt of Contact Informa	ation				
Name				Email Add						Phone	Number
Gregory Bothun						.uoregon.edu					346-2569
Siegory Domain			SECTIO		_	on and Authorization	n			J71"	0 10 200 7
Certification of Com	•	• •									
By submitting the proposal id proposer if there is no propos			ımmary in r	esponse to thi	s Resear	ch Announcement, the Auth	orizing Offi	icial of the p	proposing	organiza	ition (or the individual
certifies that the statements made in this proposal are true and complete to the best of his/her knowledge;											
	-					ward is made as a result of t					
 confirms compliance with all provisions, rules, and stipulations set forth in the two Certifications and one Assurance contained in this NRA (namely, (i) the Assurance of Compliance with the NASA Regulations Pursuant to Nondiscrimination in Federally Assisted Programs, and (ii) Certifications, Disclosures, and Assurances Regarding Lobbying and Debarment and Suspension. 											
Willful provision of false inform	mation in this pr	oposal and/or its suppo	rting docum	ents, or in rep	orts requi	ired under an ensuing award	d, is a crim	inal offense	(U.S. Co	de, Title	18, Section 1001).
Authorized Organizationa	al Representa	tive (AOR) Name		AOR E-ma	ail Addre	ess	_			Phone	Number
AOR Signature (Must ha	AOR Signature (Must have AOR's original signature. Do not sign "for" AOR.) Date										
_ , , , , , , , , , , , , , , , , , , ,		- -	•	,							

PI Name : Gregory Both	un		NASA Proposal Number
Organization Name : Univer	TBD on Submit		
Proposal Title : Oregon Clima	te Literacy Education Initiative		•
	SECTIO	N VI - Team Members	
Team Member Role PI	Team Member Name Gregory Bothun	Contact Phone 541-346-2569	E-mail Address nuts@bigmoo.uoregon.edu
Organization/Business Relationship University Of Oregon, Eugene		Cage Code 4B865	DUNS# 948117312
International Participation No	U.S. Government Agency		Total Funds Requested 0.00
Team Member Role Co-I	Team Member Name Kevin Carr	Contact Phone 503-752-0253	E-mail Address kcarr@pacificu.edu
Organization/Business Relation	onship	Cage Code 6V094	DUNS# 055978035
International Participation No	U.S. Government Agency		Total Funds Requested 0.00

PI Name : Gregory Bothun	NASA Proposal Number
Organization Name : University Of Oregon, Eugene	TBD on Submit

Proposal Title: Oregon Climate Literacy Education Initiative

SECTION VII - Project Summary

Oregon Climate Literacy Education Initiative (OCLEI) is an innovative partnership of the University of Oregon, Pacific University-College of Education, and a consortium of rural Oregon school districts. OCLEI will transform climate change education in partner middle and high schools by providing a year-long teacher professional development program consisting of extensive earth systems and climate change science coursework, training in the use of NASA earth observation data and earth system models, and sustained support. OCLEI will ensure maximum classroom impact on student learning by engaging scientists, teachers, and administrators together in co-teaching partnerships, in which all participants work together in rural classrooms to implement innovative pedagogy. Successful OCLEI climate change education models and curriculum will be disseminated statewide through the Oregon NASA Space Grants Consortium and Oregon Science Teachers Association. The essential question guiding OCLEI is: How can NASA resources and programs transform climate change and earth systems science education in Oregon¿s rural middle and secondary schools? The goals and objectives of OCLEI are:

Improve teaching and learning about global climate change in three rural secondary schools and three associated middle schools, directly serving 36 teachers and ~ 3600 students

Increase teacher climate change and earth systems science literacy by providing district-based teams of middle school math and/or science teachers 12 quarter-hours of coursework in earth system science.

Improve teacher access to NASA climate change and NASA earth systems science resources by providing district-based teams with training in the use of NASA Earth Observation data and NASA Earth system models. This will entail detailed hands-on workshops in various computer labs to introduce to the participants the vast array of ON line resources and data which currently exist.

Encourage pedagogical innovation by providing research-supported, data-driven instructional models and data visualization tools applied to topics of climate change and earth systems science. This is a key component. Our partnership has had a long history of providing teachers with innovative tools to assist them with in data organization and analysis.

Transform educational practice by co-teaching alongside participant teachers in their classrooms, developing and enacting climate/earth systems science lessons and units, and evaluating the impact on student learning. This has both a multiplicative effect and leads to better sustainability of the curriculum and the delivery of the curriculum.

Context: A Pew Research Survey released July 9, 2009 estimates that while 84% of AAAS member scientists ¿think that the earth is getting warmer due to human activity, only 49% of the public agrees. Similar results were also found in the 2009 report by the Yale University project on climate changed found a general complacency among the US population on both issues of climate change and energy generation. This proposal targets the middle and high school science classroom as the initial attempt to raise citizen literacy in climate (and energy) issues. Our experience suggests that most current middle and high school science teachers have not taken a single pre-service course on Earth System Science and hence there is a large need for professional development in this area. OCLEI leverages the unique scientific expertise and resources of NASA to deliver a systematic and sustained course of professional development for middle and high school science and math teachers, focusing on the highly coupled fields of global climate change and choices in global energy production and new forms of transportation.

PI Name : Gregory Bothun				ASA Proposal Number				
Organization Name : Universit	y Of Oregon, Eugene		1	BD on Submit				
Proposal Title : Oregon Climate I	Literacy Education Initiative							
	SECT	ION VIII - Other Project Infor	mation					
Proprietary Information								
Is proprietary/privileged information included in this application? Yes								
	International Collaboration							
Does this project involve activitie No	s outside the U.S. or partnership wi	th International Collaborators?						
Principal Investigator	Co-Investigator	Collaborator	Equipment	Facilities				
No	No	No	No	No				
Explanation:								
		A Civil Servant Project Person						
Are NASA civil servant personne No	I participating as team members on	this project (include funded and un	ntunded)?					
Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year				
Number of FTEs	Number of FTEs	Number of FTEs	Number of FTEs	Number of FTEs				

PI Name : Gregory Bothun		NASA Proposal Number
Organization Name : University Of Oregon, Eugene		TBD on Submit
Proposal Title: Oregon Climate Literacy Education Initiative	L	
	Other Project Information	
Enviro	nmental Impact	
Does this project have an actual or potential impact on the environment? \mathbf{No}	Has an exemption been authorized or an environ environmental impact statement (EIS) been perform	nmental assessment (EA) or an ormed?
Environmental Impact Explanation:		
Exemption/EA/EIS Explanation:		
Exemption/EA/EI3 Explanation.		

PI Name: Gregory Bothun	NASA Proposal Number
Organization Name : University Of Oregon, Eugene	TBD on Submit
Proposal Title : Oregon Climate Literacy Education Initiative	·
SECTION VIII - Other Project Inf	formation
Historical Site/Object Imp	
Does this project have the potential to affect historic, archeological, or traditional cultural sites (such such as an historic aircraft or spacecraft)?	as Native American burial or ceremonial grounds) or historic objects
No	
Explanation:	

PI Name : Gregory Bothun	NASA Proposal Number
Organization Name : University Of Oregon, Eugene	TBD on Submit
Proposal Title: Oregon Climate Literacy Education Initiative	
SECTION IX - Program Specific Data	
Question 1 : Short Title	
Answer: Oregon Climate Literacy Education Initiative	
Question 2: Proposals may be submitted under one of two funding categories. While some proposals one category, please identify the most closely aligned category.	may include elements inmore than
Answer: Funding Category D/M (Goals 1 & 2): Using NASA Earth system data, interactive models a Teaching and Learning about Global Climate	and simulations to Strengthen
Question 3 : Indicate the primary NASA Education Objective (see Appendix A of CAN)	
Answer: Objective 2.2 Elementary and Secondary Education: Educator Professional Development L	ong Duration

PI Name : Gregory Bothun	NASA Proposal Number
Organization Name : University Of Oregon, Eugene	TBD on Submit

Proposal Title: Oregon Climate Literacy Education Initiative

	SECTION X - Budge	et					
Cumulative Budget							
	_	Funds Requ	ested (\$)				
Budget Cost Category	Year 1 (\$)	Year 2 (\$)	Year 3 (\$)	Total Project (\$)			
A. Direct Labor - Key Personnel	7,465.00	7,465.00	7,465.00	22,395.00			
B. Direct Labor - Other Personnel	28,620.00	28,620.00	28,620.00	85,860.00			
Total Number Other Personnel	2	2	2				
Total Direct Labor Costs (A+B)	36,085.00	36,085.00	36,085.00	108,255.0			
C. Direct Costs - Equipment	5,500.00	0.00	0.00	5,500.00			
D. Direct Costs - Travel	3,000.00	3,000.00	3,000.00	9,000.00			
Domestic Travel	3,000.00	3,000.00	3,000.00	9,000.00			
Foreign Travel	0.00	0.00	0.00	0.00			
E. Direct Costs - Participant/Trainee Support Costs	33,600.00	33,600.00	33,600.00	100,800.0			
Tuition/Fees/Health Insurance	9,600.00	9,600.00	9,600.00	28,800.00			
Stipends	24,000.00	24,000.00	24,000.00	72,000.00			
Travel	0.00	0.00	0.00	0.0			
Subsistence	0.00	0.00	0.00	0.0			
Other	0.00	0.00	0.00	0.00			
Number of Participants/Trainees	16	16	16	48			
F. Other Direct Costs	18,200.00	22,200.00	30,200.00	70,600.0			
Materials and Supplies	200.00	200.00	200.00	600.0			
Publication Costs	0.00	0.00	4,000.00	4,000.0			
Consultant Services	0.00	4,000.00	8,000.00	12,000.0			
ADP/Computer Services	0.00	0.00	0.00	0.0			
Subawards/Consortium/Contractual Costs	18,000.00	18,000.00	18,000.00	54,000.00			
Equipment or Facility Rental/User Fees	0.00	0.00	0.00	0.0			
Alterations and Renovations	0.00	0.00	0.00	0.0			
Other	0.00	0.00	0.00	0.0			
G. Total Direct Costs (A+B+C+D+E+F)	96,385.00	94,885.00	102,885.00	294,155.00			
H. Indirect Costs	18,198.00	17,773.00	20,093.00	56,064.0			
I. Total Direct and Indirect Costs (G+H)	114,583.00	112,658.00	122,978.00	350,219.00			
J. Fee	0.00	0.00	0.00	0.0			
K. Total Cost (I+J)	114,583.00	112,658.00	122,978.00	350,219.00			
Total Cumulative Budget		'		350,219.00			

PI Name: Gregory Bothun **NASA Proposal Number TBD on Submit** Organization Name: University Of Oregon, Eugene Proposal Title: Oregon Climate Literacy Education Initiative **SECTION X - Budget** Start Date : 11 / 01 / 2010 End Date : 10 / 31 / 2011 Budget Type : **Project** Budget Period : A. Direct Labor - Key Personnel **Funds** Base Cal. Months Acad. Summ. Requested Fringe Name **Project Role** Requested Salary (\$) Months Months Salary (\$) Benefits (\$) (\$) PΙ 11,310.00 .5 5,655.00 7,465.00 Bothun, Gregory 1,810.00 7,465.00 **Total Key Personnel Costs B. Direct Labor - Other Personnel** Fringe Benefits Number of Requested **Funds** Cal. Months **Project Role** Acad. Months Summ. Months Personnel Salary (\$) (\$) Requested (\$) **Undergraduate Students** 12 6,000.00 300.00 6,300.00 1 4 14,400.00 1 **Computer Progammer** 7,920.00 22,320.00 2 28,620.00 **Total Number Other Personnel Total Other Personnel Costs** 36,085.00 Total Direct Labor Costs (Salary, Wages, Fringe Benefits) (A+B)

PI Name : Gregory Bothun **NASA Proposal Number** Organization Name: University Of Oregon, Eugene **TBD on Submit** Proposal Title: Oregon Climate Literacy Education Initiative **SECTION X - Budget** Start Date : 11 / 01 / 2010 End Date : 10 / 31 / 2011 Budget Type : **Project** Budget Period : C. Direct Costs - Equipment Item No. Funds Requested (\$) **Equipment Item Description** 3,000.00 1 laptop computer/data projector/storage media 2 internet weather stations for participating schools 2,500.00 **Total Equipment Costs** 5,500.00 **D. Direct Costs - Travel** Funds Requested (\$) 1. Domestic Travel (Including Canada, Mexico, and U.S. Possessions) 3,000.00 0.00 2. Foreign Travel **Total Travel Costs** 3,000.00 E. Direct Costs - Participant/Trainee Support Costs Funds Requested (\$) 1. Tuition/Fees/Health Insurance 9,600.00 24,000.00 2. Stipends 3. Travel 0.00 0.00 4. Subsistence 33,600.00 Number of Participants/Trainees: 16 **Total Participant/Trainee Support Costs**

PI Name : Gregory Bothun				N/A	NASA Proposal Number		
Organization Name : University	Of Oregon, Eugene			Т	TBD on Submit		
Proposal Title : Oregon Climate Lite	eracy Education Initiative			I.			
		SECTION X - Budget					
Start Date : 11 / 01 / 2010	End Date : 10 / 31 / 2011	Budget Typ Project	pe:	Budget 1	Period :		
		F. Other Direct Costs					
					Fun	ds Requested (\$)	
1. Materials and Supplies						200.00	
2. Publication Costs						0.00	
3. Consultant Services						0.00	
4. ADP/Computer Services						0.00	
5. Subawards/Consortium/Contractu	al Costs					18,000.00	
6. Equipment or Facility Rental/User	Fees					0.00	
7. Alterations and Renovations						0.00	
			Total Other	Direct Costs		18,200.00	
		G. Total Direct Costs	3				
					Fun	ds Requested (\$)	
Total Direct Costs (A+B+C+D+E+F)				96,385.00			
		H. Indirect Costs					
			Indirect Cost Rate (%)	Indirect Cost	Base (\$)	Funds Requested (\$)	
Senior Personnel Salaries + F	ringe		29.00	7	,465.00	2,165.00	
Other Salaries			29.00	28	,620.00	8,300.00	
Travel			29.00	3	,000.00	870.00	
Equipment			29.00	5	,500.00	1,585.00	
Subcontract to Pacific Univer	esity		29.00	18	,000.00	5,220.00	
Materials and Supplies			29.00		200.00	58.00	
Cognizant Federal Agency: None				Total Indire	ct Costs	18,198.00	
	1. [Direct and Indirect Co	sts				
					Fun	ds Requested (\$)	
		Total Direct	and Indirect Cos	sts (G+H)		114,583.00	
		J. Fee					
					Fun	ds Requested (\$)	
				Fee		0.00	
		K. Total Cost					
					Fun	ds Requested (\$)	
			Total Cost with	Fee (I+J)		114,583.00	

PI Name: Gregory Bothun **NASA Proposal Number TBD on Submit** Organization Name: University Of Oregon, Eugene Proposal Title: Oregon Climate Literacy Education Initiative **SECTION X - Budget** Start Date : 11 / 01 / 2011 End Date : 10 / 31 / 2012 Budget Type : **Project** Budget Period : A. Direct Labor - Key Personnel **Funds** Cal. Months Base Acad. Summ. Requested Fringe Name **Project Role** Requested Salary (\$) Months Months Salary (\$) Benefits (\$) (\$) PΙ 11,310.00 .5 5,655.00 7,465.00 Bothun, Gregory 1,810.00 7,465.00 **Total Key Personnel Costs B. Direct Labor - Other Personnel** Fringe Benefits Number of Requested **Funds** Cal. Months **Project Role** Acad. Months Summ. Months Personnel Salary (\$) (\$) Requested (\$) **Undergraduate Students** 12 6,000.00 300.00 6,300.00 1 4 14,400.00 1 **Computer Progammer** 7,920.00 22,320.00 2 28,620.00 **Total Number Other Personnel Total Other Personnel Costs** 36,085.00 Total Direct Labor Costs (Salary, Wages, Fringe Benefits) (A+B)

PI Name : Gregory Bothun			NASA Proposal Number			
Organization N	Organization Name : University Of Oregon, Eugene			TBD on Submit		
Proposal Title :	Oregon Climate Literacy Education Initiative					
		SECTION X - Budget				
Start Date : 11 / 01 / 2011	End Date : 10 / 31 / 2012	Budget Type : Project	Budget Per 2	iod :		
		C. Direct Costs - Equipment				
Item No.	Equi	pment Item Description		Funds Requested (\$)		
		Total Equip	ment Costs	0.00		
		D. Direct Costs - Travel				
				Funds Requested (\$)		
1. Domestic Tra	vel (Including Canada, Mexico, and U.S. Possessio	ns)		3,000.00		
2. Foreign Trav	el			0.00		
		Total Trav	rel Costs	3,000.00		
	E. Direct C	osts - Participant/Trainee Support Costs				
				Funds Requested (\$)		
1. Tuition/Fees/	Health Insurance			9,600.00		
2. Stipends				24,000.00		
3. Travel				0.00		
4. Subsistence				0.00		
Number of Par	icipants/Trainees: 16	Total Participant/Trainee Suppo	ort Costs	33,600.00		

PI Name : Gregory Bothun NA				SA Prop	oosal Number	
Organization Name : University Of (Oregon, Eugene			Т	BD o	n Submit
Proposal Title : Oregon Climate Literacy	Education Initiative					
		SECTION X - Budget				
Start Date : 11 / 01 / 2011	End Date : 10 / 31 / 2012	Budget Typ Project	pe:	Budget 2	Period :	
		F. Other Direct Costs	.			
					Fun	ds Requested (\$)
Materials and Supplies						200.00
2. Publication Costs						0.00
3. Consultant Services						4,000.00
4. ADP/Computer Services						0.00
5. Subawards/Consortium/Contractual Co	osts					18,000.00
6. Equipment or Facility Rental/User Fees	3					0.00
7. Alterations and Renovations						0.00
			Total Other	Direct Costs		22,200.00
		G. Total Direct Costs	3			
					Fun	ids Requested (\$)
Total Direct Costs (A+B+C+D+E+F)			+D+E+F)		94,885.00	
		H. Indirect Costs				
			Indirect Cost Rate (%)	Indirect Cost	Base (\$)	Funds Requested (\$)
Senior Personnel Salaries + Fring	ge		29.00	7	,465.00	2,165.00
Subcontract to Pacific University			29.00	18	,000.00	5,220.00
Travel			29.00	3	,000.00	870.00
Materials and Supplies			29.00		200.00	58.00
Consultan Services for Evaluation	n		29.00	4	,000.00	1,160.00
Other Salaries			29.00	28	,620.00	8,300.00
Cognizant Federal Agency: None				Total Indired	ct Costs	17,773.00
	l.	Direct and Indirect Co	sts			
					Fun	ds Requested (\$)
		Total Direct	and Indirect Cos	sts (G+H)		112,658.00
		J. Fee				
					Fun	ds Requested (\$)
				Fee		0.00
		K. Total Cost				
					Fun	ds Requested (\$)
			Total Cost with	Fee (I+J)		112,658.00

PI Name: Gregory Bothun **NASA Proposal Number TBD on Submit** Organization Name: University Of Oregon, Eugene Proposal Title: Oregon Climate Literacy Education Initiative **SECTION X - Budget** Start Date : 11 / 01 / 2012 End Date : 10 / 31 / 2013 Budget Type : **Project** Budget Period : A. Direct Labor - Key Personnel **Funds** Cal. Months Base Acad. Summ. Requested Fringe Name **Project Role** Requested Salary (\$) Months Months Salary (\$) Benefits (\$) (\$) PΙ 11,310.00 .5 5,655.00 7,465.00 Bothun, Gregory 1,810.00 7,465.00 **Total Key Personnel Costs B. Direct Labor - Other Personnel** Fringe Benefits Number of Requested **Funds** Cal. Months **Project Role** Acad. Months Summ. Months Personnel Salary (\$) (\$) Requested (\$) **Undergraduate Students** 12 6,000.00 300.00 6,300.00 1 4 14,400.00 1 **Computer Progammer** 7,920.00 22,320.00 2 28,620.00 **Total Number Other Personnel Total Other Personnel Costs** 36,085.00 Total Direct Labor Costs (Salary, Wages, Fringe Benefits) (A+B)

PI Name : Gregory Bothun					NASA Proposal Number					
Organization Name : University Of Oregon, Eugene					TBD on Submit					
Proposal Title										
SECTION X - Budget										
Start Date : 11 / 01 / 2012	End Date : 10 / 31 / 2013		Budget Type : Project	Budget Pe	Budget Period : 3					
C. Direct Costs - Equipment										
Item No.	Equipment Item Description				Funds Requested (\$)					
				Total Equipment Costs	0.00					
D. Direct Costs - Travel										
					Funds Requested (\$)					
1. Domestic Tr		3,000.00								
2. Foreign Trav	el				0.00					
Total Travel Costs				3,000.00						
E. Direct Costs - Participant/Trainee Support Costs										
					Funds Requested (\$)					
1. Tuition/Fees/	9,600.00									
2. Stipends					24,000.00					
3. Travel	0.00									
4. Subsistence	0.00									
Number of Par	icipants/Trainees: 16		Total Participant	Trainee Support Costs	33,600.00					

PI Name : Gregory Bothun						SA Proposal Number			
Organization Name : University Of Oregon, Eugene						BD on Submit			
Proposal Title : Oregon Climate I	iteracy Education Initiative								
		SECTION X - Budget							
Start Date : 11 / 01 / 2012	Pate: End Date: Budget Type: Budget					et Period :			
		F. Other Direct Costs	3						
		Funds Requested (\$)							
Materials and Supplies	200.00								
2. Publication Costs	4,000.00								
3. Consultant Services	8,000.00								
4. ADP/Computer Services		0.00							
5. Subawards/Consortium/Contra		18,000.00							
6. Equipment or Facility Rental/Us	ser Fees				0.00				
7. Alterations and Renovations					0.00				
Total Other Direct Costs						30,200.00			
		G. Total Direct Costs	3						
					Fun	ids Requested (\$)			
	+D+E+F)		102,885.00						
		H. Indirect Costs							
	Indirect Cost	Base (\$)	Funds Requested (\$)						
Materials and Supplies			29.00	200.00		58.00			
Subcontract to Pacific Univ	versity		29.00	18	18,000.00				
Travel			29.00	3	,000.00	870.00			
Other Salaries			29.00	28	,620.00	8,300.00			
Publication Costs			29.00	4	,000.00	1,160.00			
Consultant Services for Evaluation		29.00		8,000.00 2,					
	Personnel Salaries + Fringe 29.00			7,465.00 2,165.0					
Cognizant Federal Agency: None Total Indir						20,093.00			
		. Direct and Indirect Co	ests						
	Funds Requested (\$)								
	ts (G+H)	122,978.00							
		J. Fee							
						Funds Requested (\$)			
	0.00								
K. Total Cost									
						Funds Requested (\$)			
Total Cost with Fee (I+J)						122,978.00			