



SEATTLE COLLEGES

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Sub-award Agreement

Prime Awardee		Subawardee	
Institution/Organization ("Prime Recipient") Name: South Seattle College, a college of Seattle Colleges Address: 6000 16 th Ave SW Seattle, WA 98106		Institution/Organization ("Sub-recipient") Name: Cascadia College Address: 18345 Campus Way NE Bothell, WA 98011 EIN No.: 91-2010540 DUNS: 043281539	
Prime Award No. 1406320		Sub-award No. 502393	
Federal Sponsor: National Science Foundation		CFDA#:	FAIN#:
Sub-award Period of Performance: August 1, 2014 to July 31, 2017		Amount Funded this Action \$21,600	Est. Total (if incrementally funded) \$21,600
Project Title Expanding Lifelong STEM Career Pathways in Sustainable Building Science Technology			
Reporting Requirements [Check here if applicable: <input checked="" type="checkbox"/> See Attachment 4 <input checked="" type="checkbox"/> FFATA Funding (See Attachment 4A)]			

Terms and Conditions

- 1) Prime Recipient hereby awards a cost reimbursable sub-award, as described above, to Sub-recipient. The statement of work and budget for this Sub-award are as shown in Attachment 5. In its performance of the Sub-award work, Sub-recipient shall be an independent entity and not an employee or agent of Prime Recipient.
- 2) Prime Recipient shall reimburse Sub-recipient not more often than monthly for allowable costs. All invoices shall be submitted using Sub-recipient's standard invoice, but at a minimum shall include current and cumulative costs (including cost sharing), sub-award number, and certification as to truth and accuracy of invoice. Invoices that do not reference Prime Recipient's sub-award number shall be returned to Sub-recipient. Invoices and questions concerning invoice receipt or payments should be directed to the appropriate party's contact as shown in Attachment 3. Prime recipient reserves the right to request and the Sub-recipient agrees to provide supporting documentation of Sub-recipients costs in the event the Prime Recipient is required to provide such documentation to its sponsors or there are performance issues which cause the Prime Recipient to question the reasonableness, allowability or allocability of costs billed.
- 3) A final statement of cumulative costs incurred, including cost sharing, marked "FINAL" must be submitted to Prime Recipient's Contact, as shown in Attachment 3, NOT LATER THAN sixty (60) days after Sub-award end date. The final statement of costs shall constitute Sub-recipient's final financial report.
- 4) All payments shall be considered provisional and subject to adjustment within the total estimated cost. In the event such adjustment is necessary as a result of an adverse audit finding against the Sub-recipient, Prime Recipient shall contact Sub-recipients appropriate contact as shown in Attachment 3.
- 5) Matters concerning the technical performance of this Sub-award should be directed to the appropriate party's Principal Investigator, as shown in Attachment 3. Technical reports are required as shown above, "Reporting Requirements".
- 6) Matters concerning the request or negotiation of any changes in the terms, conditions, or amounts cited in this Sub-award agreement, and any changes requiring prior approval, should be directed to the appropriate party's Administrative Contact as shown in Attachment 3. Any such changes made to this Sub-award agreement require the written approval of each party's Authorized Official, as shown in Attachment 3.
- 7) Each party shall be responsible for its negligent acts or omissions and the negligent acts or omissions of its employees, officers, or director's, to the extent allowed by law.
- 8) Either party may terminate this Sub-award with thirty days written notice to the appropriate party's Administrative Contact as shown in Attachment 3. Prime Recipient shall pay Sub-recipient for termination costs as allowable under OMB Circular A-21 or A-122 or 45 CFR Part 74 Appendix E, "Principles for Determining Costs Applicable to Research and Development under Grants and Contracts with Hospitals" as applicable.
- 9) No-cost extensions require the approval of the Prime Recipient. Any requests for a no-cost extension should be addressed to and received by the Administrative Contact, as shown in Attachment 3, not less than thirty (30) days prior to the desired effective date of the requested change.
- 10) The Sub-award is subject to the terms and conditions of the Prime Award and other special terms and conditions, as identified in Attachment 2.
- 11) By signing below Sub-recipient makes the certifications and assurances shown in Attachments 1 and 2. Sub-recipient also assures that it will comply with applicable statutory and regulatory requirements specified in the Research Terms & Conditions Appendix C found at <http://www.nsf.gov/bfa/dias/policy/rtc/appc.pdf>.

By an Authorized Official of Prime Recipient:

Ana Bae

8/19/15

By an Authorized Official of Sub-recipient:

Coemay E. Sutton

8-13-15

Attachment 1
Sub-award Agreement
Certifications and Assurances

By signing the Sub-award Agreement, the authorized official of Sub-recipient certifies, to the best of his/her knowledge and belief that:

Certification Regarding Lobbying

- 1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Sub-recipient, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- 2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or intending to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the Sub-recipient shall complete and submit Standard Form -LLL, "Disclosure Form to Report Lobbying", to the Prime Recipient.
- 3) The Sub-recipient shall require that the language of this certification be included in the award documents for all Sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all Sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Debarment, Suspension, and Other Responsibility Matters

Sub-recipient certifies by signing this Sub-award Agreement that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction by any federal department or agency.

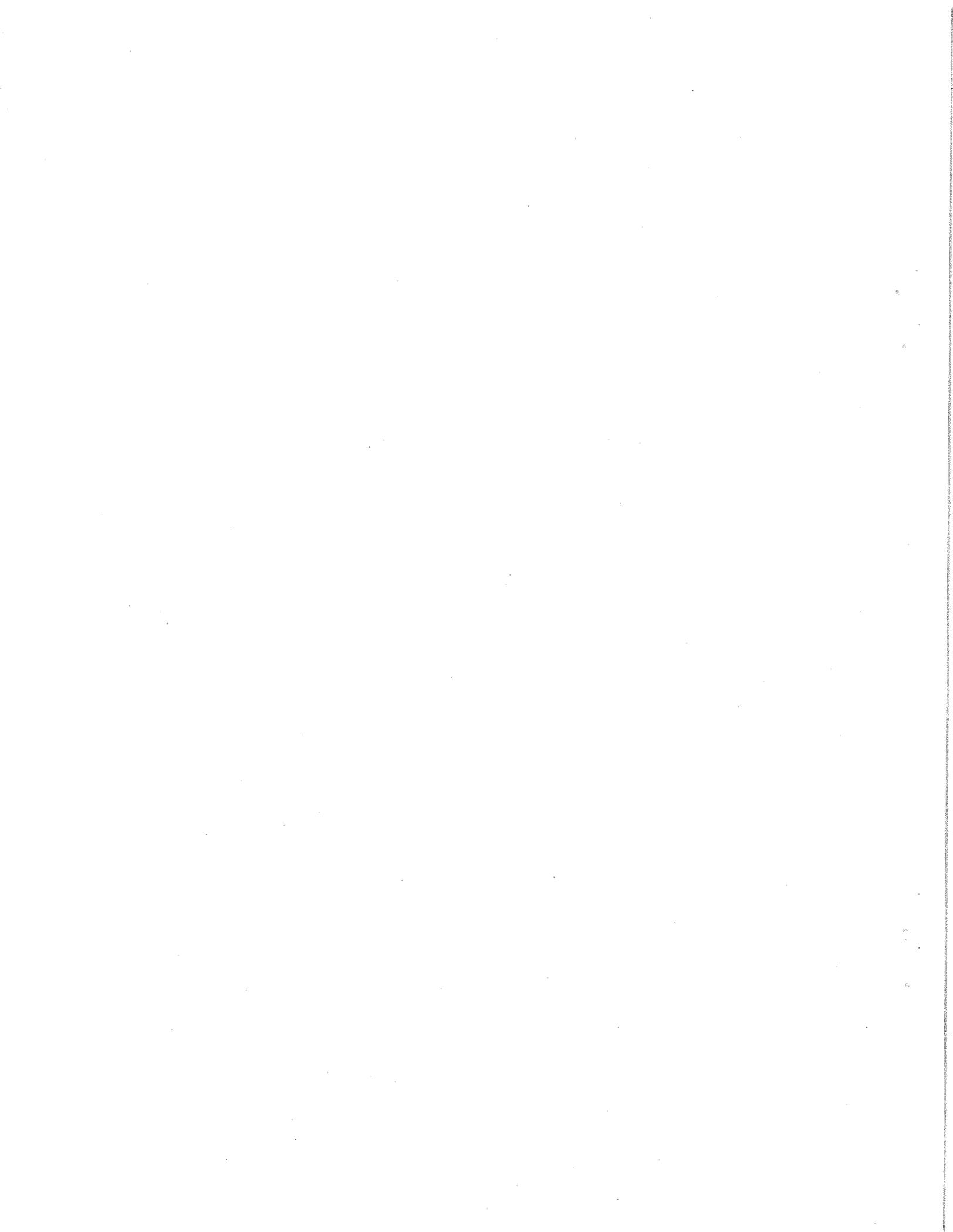
Discrimination Matters

- 1) Sub-recipient certifies by signing this Sub-award Agreement that it complies with the requirements of 41 CFR 60-300.5(a). This regulation prohibits discrimination against qualified protected veterans, and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified protected veterans.
- 2) Sub-recipient certifies by signing this Sub-award Agreement that it complies with the requirements of 41 CFR 60-741.5(a). This regulation prohibits discrimination against qualified individuals on the basis of disability, and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified individuals with disabilities.
- 3) Subrecipient certifies that it complies with 41 U.S.C. §4712, a pilot program for enhancement of contractor protection from reprisal for disclosure of certain information.

OMB Circular A-133 Assurance

THE COMMUNITY COLLEGES
 PURCHASING DEPARTMENT
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Sub-recipient assures Prime Recipient that it complies with A-133 and that it will notify Prime Recipient of completion of required audits and of any adverse findings which impact this Sub-award.



Attachment 2
Sub-award Agreement
Prime Award Terms and Conditions

Award Date:
Award No.
Proposal No.

July 31, 2014
DUE-1406320
DUE-1406320

Dawn Vinberg
Director, Finance & Administration Services
Seattle Community College
District Office
1500 Harvard Avenue
Seattle, WA 98122-3803
DUNS ID: 043022045

Dear Ms. Dawn Vinberg:

The National Science Foundation hereby awards a grant of \$862,080 to Seattle Community College District Office for support of the project described in the proposal referenced above as modified by revised budget dated July 29, 2014, e-mail dated July 30, 2014.

This project, entitled "Expanding Lifelong STEM Career Pathways in Sustainable Building Science Technology," is under the direction of Holly Moore, Alison Pugh, Kenneth Eklund.

This award starts August 1, 2014 and ends July 31, 2017.

This grant is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTC), dated June 2011, and NSF RTC Agency Specific Requirements, dated March 7, 2014, available at <http://www.nsf.gov/awards/managing/rtc.jsp>.

This award is subject to the Federal Funding Accountability and Transparency Act (FFATA) award term entitled, Reporting Subawards and Executive Compensation, which has been incorporated into the NSF Terms and Conditions referenced above.

If the awardee has any questions related to the pre-populated data associated with this award in the FFATA Subaward Reporting System, such questions should be submitted to: FFATAREporting@nsf.gov or by phone to: (800) 673-6188.

This award is subject to the provisions of NSF 11-692, Advanced Technological Education program (ATE).

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

Costs of entertainment, amusement, diversion and social activities, and any costs directly associated with such costs (such as meals, lodging, rentals,

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Sub-recipient assures Prime Recipient that it complies with A-133 and that it will notify Prime Recipient of completion of required audits and of any adverse findings which impact this Sub-award.

transportation and gratuities) are unallowable. When certain meals are an integral and necessary part of a conference or meeting (i.e., working meals where business is transacted), grant funds may be used for such meals. Grant funds may also be used to furnish a reasonable amount of coffee or soft drinks for conference or meeting participants and attendees during coffee breaks.

No NSF funds may be spent on meals or coffee breaks for intramural meetings of an organization or any of its components, including, but not limited to, laboratories, departments and centers.

The Foundation authorizes the awardee to enter into the proposed contractual arrangements and to fund such arrangements with award funds up to the amount indicated in the approved budget. Such contractual arrangements should contain appropriate provisions consistent with Articles 8.a.4. and 9 of the NSF Grant General Conditions (GC-1) (dated March 7, 2014) or Articles 5 and 40 of the Research Terms and Conditions (dated June 2011), as well as any special conditions included in this award.

All materials produced as part of this project, including electronic components such as World Wide Web pages, must include a clear indication of source(s) of support (both NSF and any other contributors.).

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://reporting.research.gov/fedAwardId/1406320>].

The cognizant NSF program official for this grant is Yvette Weatherton, (703) 292-0000

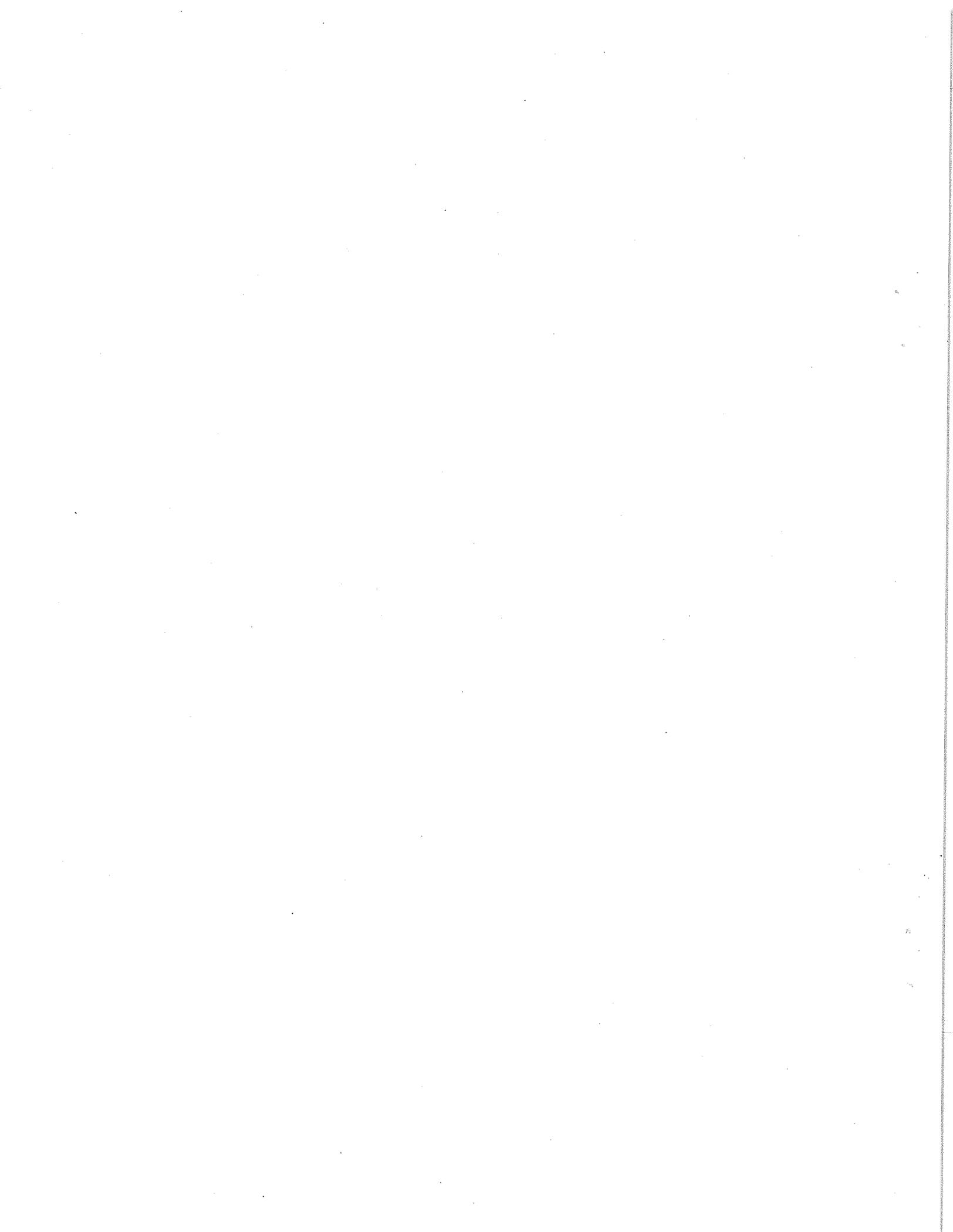
The cognizant NSF grants official contact is LeVar Rashawn Farris, (703) 292-2187.

Sincerely,

Jason M. Madigan
Grants and Agreements Officer

CFDA No. 47.076
dawn.vinberg@seattlecolleges.edu

DUE-1406320				000
SUMMARY PROPOSAL BUDGET				
Person MOS				Funds granted
	cal	acad	sumr	By NSF
A. (3.00) Total Senior personnel	18.00	0.00	0.00	\$94,575
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (4.00) Other professionals	6.60	0.00	0.00	\$38,000
3. (0.00) Graduate students				\$0
4. (3.00) Secretarial-clerical				\$54,091
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$186,666
C. Fringe benefits (if charged as direct cost)				\$64,798
Total salaries wages and fringes (A+B+C)				\$251,464



D. Total permanent equipment	\$0
E. Travel	
1. Domestic	\$10,500
2. Foreign	\$0
F. Total participant support costs	\$3,000
G. Other direct costs	
1. Materials and supplies	\$2,600
2. Publication costs/page charges	\$0
3. Consultant services	\$188,200
4. Computer (ADPE) services	\$0
5. Subcontracts	\$331,650
6. Other	\$0
Total other direct costs	\$522,450
H. Total direct costs (A through G)	\$787,414
I. Total indirect costs	\$74,666
J. Total direct and indirect costs (H+I)	\$862,080
K. Residual funds / Small business fee	
1. Residual funds (if for further support of current projects AAG I.D.2 and I.D.3)	\$0
2. Small business fee	\$0
L. Amount of this request (J) or (J-K1+K2)	\$862,080
M. Cost sharing	\$0

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transportation and gratuities) are unallowable. When certain meals are an integral and necessary part of a conference or meeting (i.e., working meals where business is transacted), grant funds may be used for such meals. Grant funds may also be used to furnish a reasonable amount of coffee or soft drinks for conference or meeting participants and attendees during coffee breaks.

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The Foundation authorizes the awardee to enter into the proposed contractual arrangements and to fund such arrangements with award funds up to the amount indicated in the approved budget. Such contractual arrangements should contain appropriate provisions consistent with Articles 8.a.4. and 9 of the NSF Grant General Conditions (GC-1) (dated March 7, 2014) or Articles 5 and 40 of the Research Terms and Conditions (dated June 2011), as well as any special conditions included in this award.

All materials produced as part of this project, including electronic components such as World Wide Web pages, must include a clear indication of source(s) of support (both NSF and any other contributors.).

The attached budget indicates the amounts, by categories, on which NSF has based its support.

Please view the project reporting requirements for this award at the following web address [<https://reporting.research.gov/fedAwardId/1406320>].

The cognizant NSF program official for this grant is Yvette Weatherton, (703) 292-0000

The cognizant NSF grants official contact is LeVar Rashawn Farrior, (703) 292-2187.

Sincerely,

Jason M. Madigan
Grants and Agreements Officer

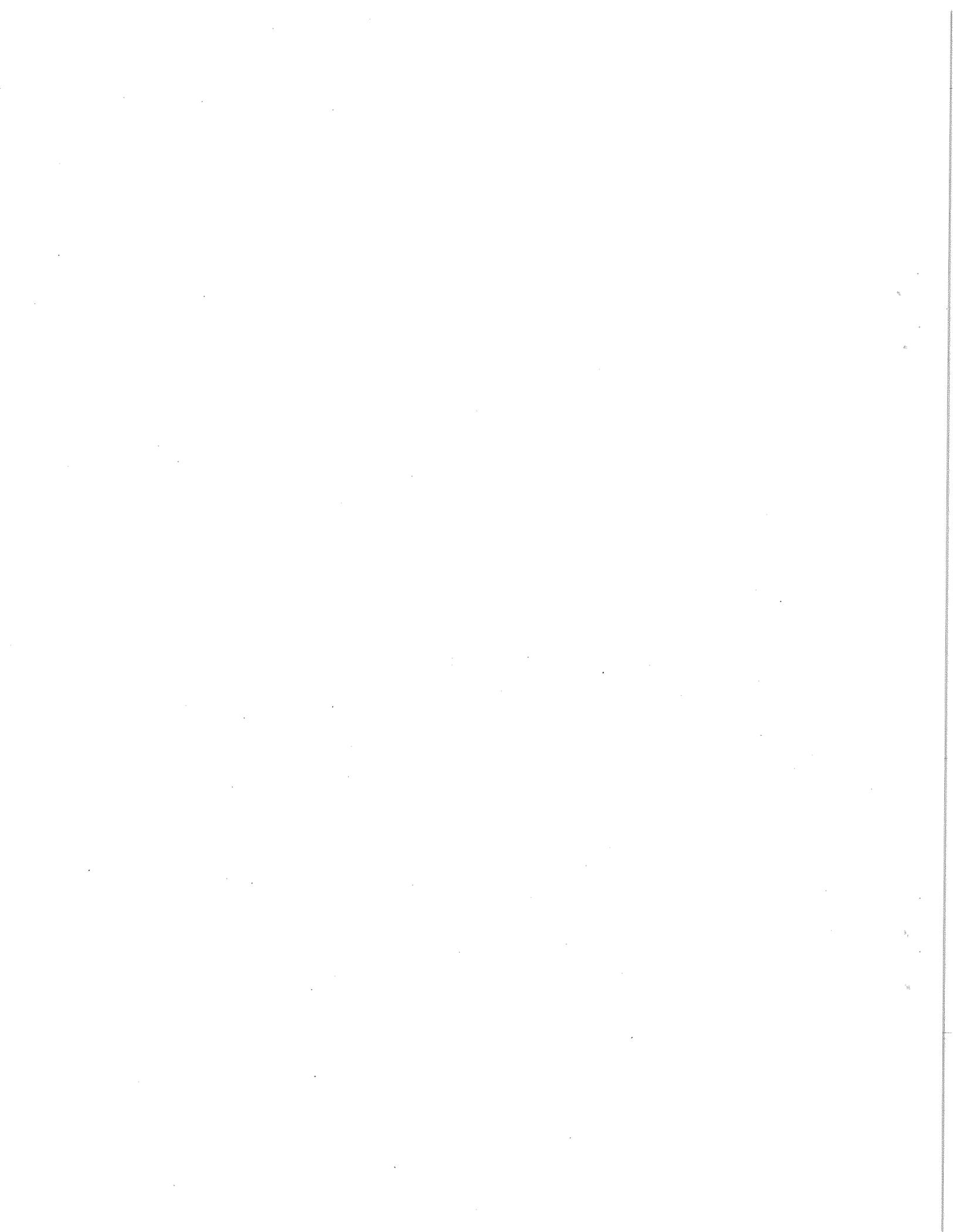
CFDA No. 47.076
dawn.vinberg@seattlecolleges.edu

DUE-1406320 000
SUMMARY PROPOSAL BUDGET

Person MOS	cal	acad	sumr	Funds granted By NSF
A. (3.00) Total Senior personnel	18.00	0.00	0.00	\$94,575
B. Other Personnel				
1. (0.00) Post Doctoral associates	0.00	0.00	0.00	\$0
2. (4.00) Other professionals	6.60	0.00	0.00	\$38,000
3. (0.00) Graduate students				\$0
4. (3.00) Secretarial-clerical				\$54,091
5. (0.00) Undergraduate students				\$0
6. (0.00) Other				\$0
Total salaries and wages (A+B)				\$186,666
C. Fringe benefits (if charged as direct cost)				\$64,798
Total salaries wages and fringes (A+B+C)				\$251,464

**Attachment 3
Sub-award Agreement**

Prime Recipient Contacts	Sub-recipient Contacts
<p>Administrative Contact</p> <p>Name: Alison Pugh, NSF Director South Seattle College, Georgetown Campus</p> <p>Address: 6737 Corson Ave Seattle, WA 98108</p> <p>Telephone: (206) 937-6867 Fax: (206) 934-7949 Email: Alison.pugh@seattlecolleges.edu</p>	<p>Administrative Contact</p> <p>Name: Erik Tingelstad Cascadia College</p> <p>Address: 18345 Campus Way NE Telephone: (425) 352-8277 Fax: Email: etingelstad@cascadia.edu</p>
<p>Project Director</p> <p>Name: Holly Moore, Executive Dean South Seattle College, Georgetown Campus</p> <p>Address: 6737 Corson Ave Seattle, WA 98108</p> <p>Telephone: (206) 934-6867 Fax: (206) 934-7949 Email: holly.moore@seattlecolleges.edu</p>	<p>Project Director</p> <p>Name: Gail Alexander</p> <p>Address: Cascadia College 18345 Campus Way NE</p> <p>Telephone: (425) 352-8419 Fax: Email: galexander@cascadia.edu</p>
<p>Financial Contact</p> <p>Name: Lolita Khachaturova</p> <p>Address: South Seattle College 6000 16th Ave. SW Seattle, WA 98106</p> <p>Telephone: 206-934-5841 Fax: Email: Lolita.Khachaturova@seattlecolleges.edu</p>	<p>Financial Contact</p> <p>Name: Sharon Waymire</p> <p>Address: Cascadia College 18345 Campus Way NE Telephone: (425) 352-8633 Fax: Email: swaymire@cascadia.edu</p>
<p>Authorized Official</p> <p>Name: Lisa Gacer Seattle Colleges</p> <p>Address: 1500 Harvard Ave Seattle, WA 98122</p> <p>Telephone: (206) 934-5534 Fax: (206) 934-5523 Email: lisa.gacer@seattlecolleges.edu</p>	<p>Authorized Official</p> <p>Name: Rosemary Sutton</p> <p>Address: Cascadia College 18345 Campus Way NE</p> <p>Telephone: (425) 352-8255 Fax: Email: rsutton@cascadia.edu</p>



**ATTACHMENT 4
SUBAWARD AGREEMENT**

Invoicing Requirements

1. Invoices must be submitted in triplicate to Financial Contact as referenced in Attachment 3

Reporting Requirements

2. Progress and final reports will be required as requested by University's Project Director.

Match Requirement

3. Cost Share requirement is \$0.

(SUBRECIPIENT PLEASE COMPLETE ITEM #4 AS WELL AS THE APPROPRIATE CHECK BOXES WITHIN THE ASSURANCES SECTION BELOW)

Sub-recipient Monitoring (A-133)

(Only Applicable State Organizations, Local Governments, and/or Non-Profit Organizations)

4. Copy of annual audit and/or A-133 certification must be submitted prior to award and then annually through the term of the award, if applicable. Person responsible for disseminating audit information:

Name: Sharon Waymire

Title: Director of Finance

Phone: (425) 352-8633

Email: swaymire@cascadia.edu

Assurances

BIOSAFETY OF RECOMBINANT DNA

- Project does not involve recombinant DNA.
 Project involves recombinant DNA and was either approved () or determined to be exempt () from the NIH Approval by the Institutional Biosafety Committee (IBC) on _____ (Date).

CARE AND USE OF ANIMALS

- Project does not involve vertebrate animals.
 Project involves vertebrate animals and was approved by the Institutional Animal Care and Use Committee (IACUC) on _____ (Date). OLAW Animal Assurances # _____.

PROTECTION OF HUMAN SUBJECTS

- Project does not involve human subjects.
 Project involves human subjects and was approved by the Institutional Review Board (IRB) on _____ (Date). Federal Wide Assurance # _____.

CONFLICT OF INTEREST

- The Sub-Recipient certifies by signature to this Agreement that it has a federally compliant conflict of interest policy.

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**Attachment 3
Sub-award Agreement**

Prime Recipient Contacts	Sub-recipient Contacts
<p>Administrative Contact</p> <p>Name: Alison Pugh, NSF Director South Seattle College, Georgetown Campus</p> <p>Address: 6737 Corson Ave Seattle, WA 98108</p> <p>Telephone: (206) 937-6867 Fax: (206) 934-7949 Email: Alison.pugh@seattlecolleges.edu</p>	<p>Administrative Contact</p> <p>Name: Erik Tingelstad Cascadia College</p> <p>Address: 18345 Campus Way NE Telephone: (425) 352-8277 Fax: Email: etingelstad@cascadia.edu</p>
<p>Project Director</p> <p>Name: Holly Moore, Executive Dean South Seattle College, Georgetown Campus</p> <p>Address: 6737 Corson Ave Seattle, WA 98108</p> <p>Telephone: (206) 934-6867 Fax: (206) 934-7949 Email: holly.moore@seattlecolleges.edu</p>	<p>Project Director</p> <p>Name: Gail Alexander</p> <p>Address: Cascadia College 18345 Campus Way NE</p> <p>Telephone: (425) 352-8419 Fax: Email: galexander@cascadia.edu</p>
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Attachment 4A FFATA Reporting Requirements

Definition. "Reporting" includes FFATA Data Elements

Amendment for Updated Reporting Requirements. A unilateral amendment may be issued to update reporting requirements in response to any additional requirements or guidance from the OMB or Sponsor including, but not limited to, the definition of terms and data elements, and specific instructions for reporting and report formats.

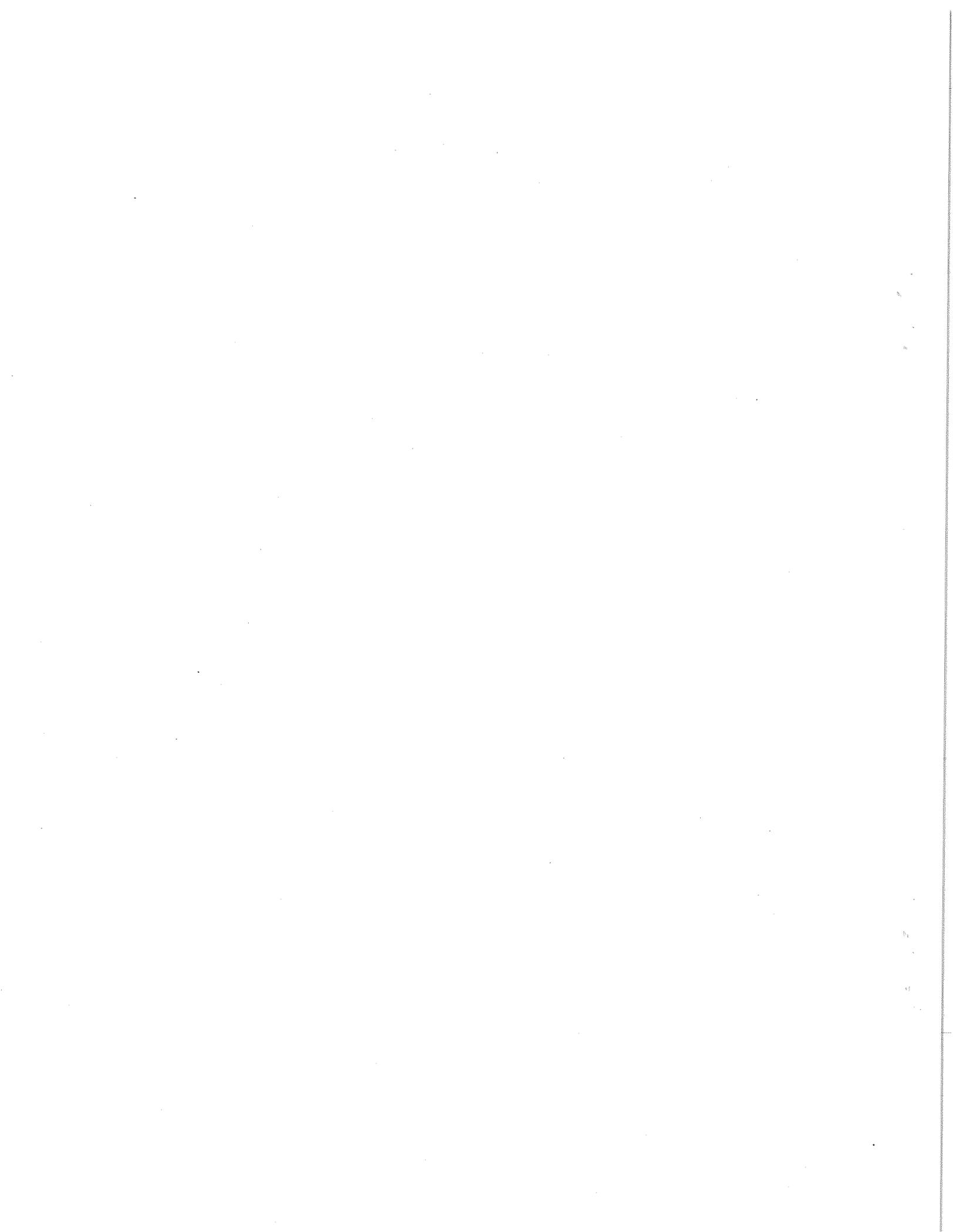
For more information on FFATA, go to: www.ffata.org

Data to be Reported Prior to Sub-Award Obligation/Action Date

A. Sub-Award Project Description

Sub-Recipient should provide the award title and description of the purpose. The description should capture the overall purpose of the sub-award. Example of project description: "Investment in public transportations: replace four 10 year old electric commuter train cars. In addition, funds will be used to construct a multi-modal Park and Ride facility featuring: commuter parking, transit hub, bicycle accommodations, and a potential future platform."

Project Description	<p>Provide support to South Seattle College in the development and delivery of curriculum for the Bachelor of Applied Science (BAS) in Sustainable Building Science Technology (SBST) program in support of the project entitled "Expanding Lifelong STEM Career Pathways in Sustainable Building Science Technology," awarded by the National Science Foundation (NSF) to South Seattle College on August 1, 2014.</p> <p>Serve on NSF Leadership Team and STEM Pipeline Subcommittee.</p> <p>Provide support to Curriculum and Recruitment & Outreach Subcommittees as needed.</p>
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B. Most Highly Compensated Officers

Sub-Recipient shall provide the names and total compensation of the five most highly compensated officers of the Sub-Recipient entity if the following items (1) and (2) apply.

If either item (1) or (2) does not apply, the Sub-recipient's report shall include a statement certifying this.

If these items do apply, but there is no change in the most highly compensated individuals or their total compensation, the Sub-recipient's report shall include a statement certifying this.

(1) The Sub-Recipient in its preceding fiscal year received—

- (a) 80 percent or more of its annual gross revenues in Federal awards; and
- (b) \$25,000,000 or more in annual gross revenues from Federal awards; and

(2) The public does not have access to information about the compensation of the senior executives of the entity through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986 [26 USC § 6104].

“Total compensation” means the cash and non-cash dollar value earned by the executive during the Sub-recipient's past fiscal year of the following (for more information see 17 CFR 229.402(c) (2)):

- (i). Salary and bonus.
- (ii). Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with FAS 123R.
- (iii). Earnings for services under non-equity incentive plans. Does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.
- (iv). Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
- (v). Above-market earnings on deferred compensation which are not tax qualified.
- (vi). Other compensation. For example, severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property if the value for the executive exceeds \$10,000.

HIGHLY COMPENSATED OFFICERS

Exempt from reporting compensation (Yes or No)?	YES
Reason for Exemption (Specify Reason 1A, 1B, or 2 above)	1A

If not exempt, fill in per Section 1512 of ARRA:

Officer 1 Name	
Officer 1 Compensation	
Officer 2 Name	
Officer 2 Compensation	
Officer 3 Name	
Officer 3 Compensation	
Officer 4 Name	
Officer 4 Compensation	
Officer 5 Name	
Officer 5 Compensation	

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Attachment 4A FFATA Reporting Requirements

Definition. "Reporting" includes FFATA Data Elements

Amendment for Updated Reporting Requirements. A unilateral amendment may be issued to update reporting requirements in response to any additional requirements or guidance from the OMB or Sponsor including, but not limited to, the definition of terms and data elements, and specific instructions for reporting and report formats.

For more information on FFATA, go to: www.ffata.org

Data to be Reported Prior to Sub-Award Obligation/Action Date

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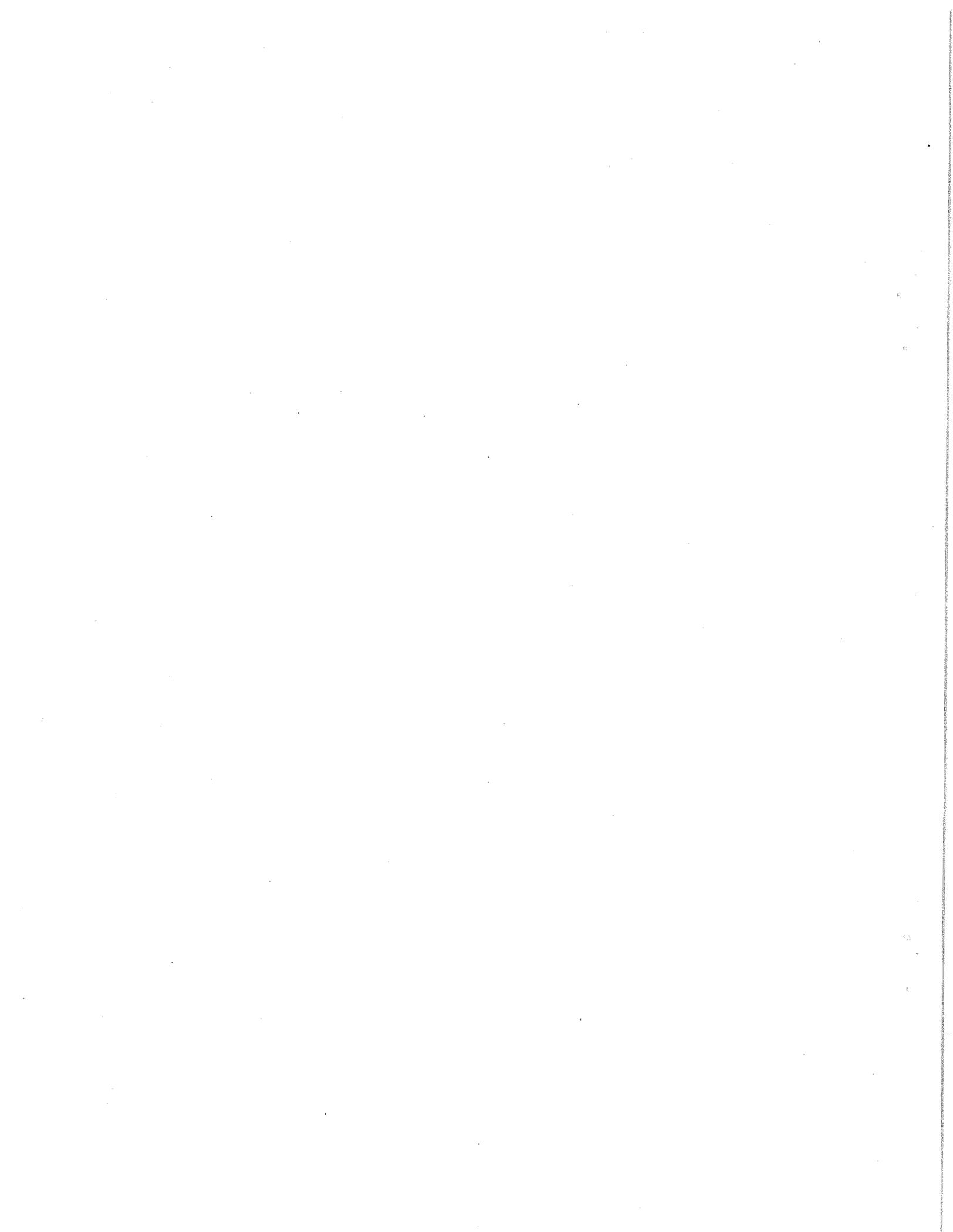
C. Performance Site

Sub-Recipient shall identify the physical location of the Primary Place of Performance of the Sub-Award

Place of Performance Street Address 1	Cascadia College
Place of Performance Street Address 2	18345 Campus Way NE
Place of Performance City	Bothell, WA 98011
Place of Performance State (two character code)	
Place of Performance Zip (zip code+ four)	98011
Place of Performance Congressional District (two digit code)	
Place of Performance Country Code (two character code)	

D. Sub-Award Agreement data elements

Sub Recipient DUNS	043281539
Sub Recipient Congressional District	1 st District of Washington
Sub Recipient Legal Name, Address, City, State, Zip	Cascadia Community College, 18345 Campus Way NE, Bothell, WA, 98011
Sub Recipient EIN	91-2010540
Sub Recipient Sam.gov registration, Yes or No	Yes



Attachment 5
Cascadia College Sub-Award Agreement

The NSF Grant Project, *Expanding Lifelong STEM Career Pathways in Sustainable Building Science Technology*, has the following project goals and objectives:

PROJECT GOALS:

- Design a Baccalaureate of Applied Science in Sustainable Building Science Technology based in building science, incorporates energy policy, and energy codes; and
- Build and expand recruiting pipelines for future students and workers including minorities, women, veterans, and high school students.

OBJECTIVE 1 – Develop innovative bachelors of applied science curriculum in sustainable building science technology.

OBJECTIVE 2 - Recruit, retain and graduate students from industry, people of color, veterans, women and other career-changers.

OBJECTIVE 3 – Grow the STEM pipeline by exposing high school students to the education and career opportunities in sustainable building science technology.

To help the project meets its objectives, Cascadia College will serve on the NSF Leadership Team and STEM Pipeline Subcommittee and agrees to:

- Attend quarterly NSF Leadership Team meetings.
- Serve on the STEM Pipeline Subcommittee.
- Participate in monthly STEM Pipeline Subcommittee meetings and related work.
- Develop an articulation agreement between South Seattle College's BAS in Sustainable Building Science Technology (SBST) and Cascadia College's Environmental Technology and Sustainable Practices (ETSP) Associate's Degree.
- Assist in developing High School Outreach events in Years 2 and 3.
- Participate in Energy Educators Association (EEA) activities and invite high school teachers to EEA activities.
- Assist in developing Seattle Public Schools Teacher Summit in Years 2 and 3.
- Provide support to Curriculum and Recruitment & Outreach Subcommittees as needed
- Assist with the development of and participate in evaluation activities as necessary.
- Disseminate grant-related information at the Energy and Construction Best Practices Summit in Years 2 and 3.
- Provide annual activity summary reports due to South Seattle College staff in the following months during the two year life of the grant: June.
- Assist with the development of NSF Annual Reports and Project Outcomes Report as necessary.

A timeline for these activities is found on the following page with the responsibilities of Cascadia College highlighted:

SEATTLE COMMUNITY COLLEGES
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C. Performance Site

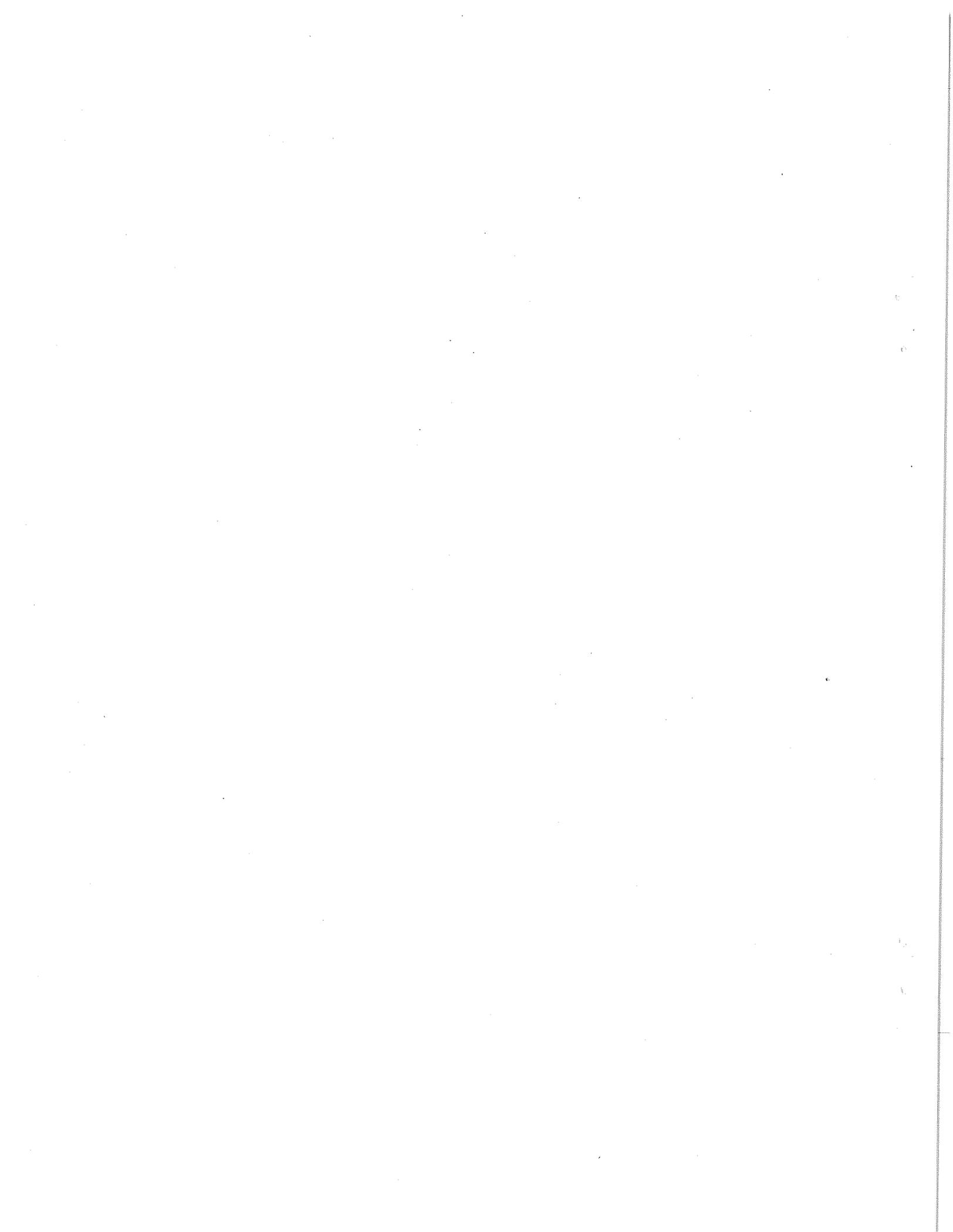
Sub-Recipient shall identify the physical location of the Primary Place of Performance of the Sub-Award

Place of Performance Street Address 1	Cascadia College
Place of Performance Street Address 2	18345 Campus Way NE
Place of Performance City	Bothell, WA 98011
Place of Performance State (two character code)	
Place of Performance Zip (zip code+ four)	98011
Place of Performance Congressional District (two digit code)	
Place of Performance Country Code (two character code)	

D. Sub-Award Agreement data elements

Sub Recipient DUNS	043281539
Sub Recipient Congressional District	1 st District of Washington
Sub Recipient Legal Name, Address, City, State, Zip	Cascadia Community College, 18345 Campus Way NE, Bothell, WA, 98011
Sub Recipient EIN	91-2010540
Sub Recipient Sam.gov registration, Yes or No	Yes

Year 1 Primary Activities	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
			Year 1				Year 2				Year 3			
Quarterly Grant Leadership Team Meetings	9/16/14	6/30/14												
Monthly Subcommittee Meeting	06/01/15	07/31/15												
Quarterly Industry Adv. Committee Mtg (Nov, Feb, and May throughout project) - Curriculum Subcommittee	11/19/14	5/31/14												
Recruit & Hire full-time SSCC Faculty - South Seattle College	8/1/14	8/31/14												
Begin posting information on Web sites - Recruitment & Outreach Subcommittee	8/1/14													
Create marketing collateral for program outreach - Recruitment & Outreach Subcommittee	8/1/14	2/1/14												
Recruitment & Outreach targeting tribes, veterans, women and minorities - Recruitment & Outreach Subcommittee	8/1/14	6/30/15												
Recruitment & Outreach to 2-year programs - Recruitment & Outreach Subcommittee	8/1/14	6/30/15												
Research and link existing certifications - Curriculum Subcommittee	1/1/15	6/30/15												
Develop needed certifications - Curriculum Subcommittee	7/1/15	6/30/16												
Review course outlines and sequence and define development plan - Curriculum Subcommittee	8/1/14	9/30/14												
Develop Q1 Curriculum - Curriculum Subcommittee	8/1/14	10/1/14												
Develop Q2 Curriculum - Curriculum Subcommittee	10/1/14	12/15/14												
Develop internship program - Curriculum Subcommittee	9/1/14	6/30/15												
Recruit internships - South Seattle College, BAS Advisory Comm. & Leadership Team	8/1/14	8/30/15												
Cohort I - Q1 Courses - South Seattle College	9/22/14	12/10/14												

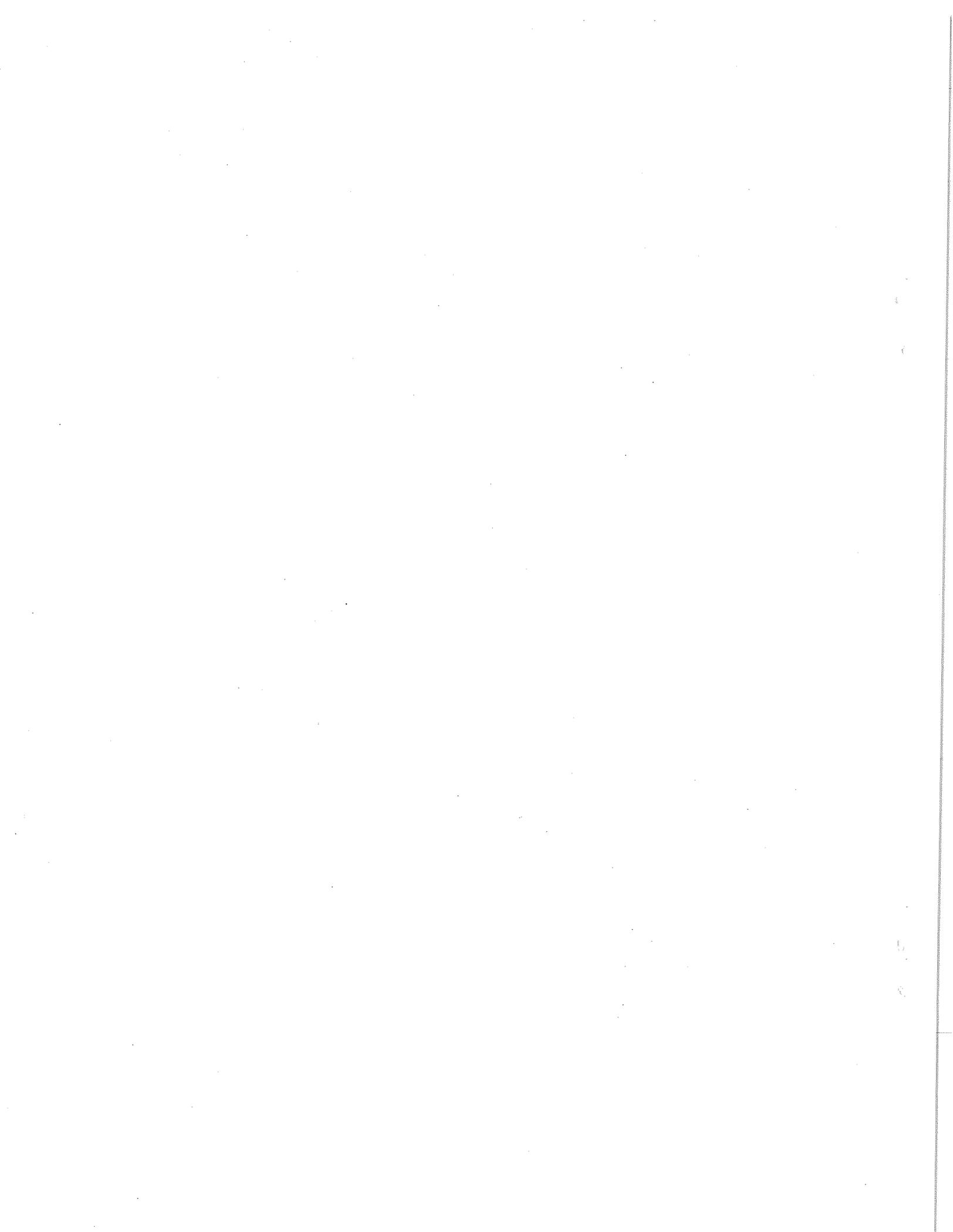


	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Cleveland High School/Seattle Public Schools Outreach Event – Recruitment & STEM Pipeline Subcommittees	10/1/14													
Develop articulation agreements – STEM Pipeline Subcommittee	9/1/14	7/31/15												
Provide enhanced wrap-around services for students – S. Seattle College	9/1/14	7/31/15												
Cohort I - Q2 Courses - South Seattle College	1/5/15	3/31/15												
Develop Q3 Curriculum - Curriculum Subcommittee	12/15/14	3/15/15												
Develop Q4 Curriculum - Curriculum Subcommittee	1/5/15	3/31/15												
Cohort I - Q3 Courses – South Seattle College	4/1/15	6/15/15												
Disseminate information at the Energy & Construction Best Practices Summit – Leadership Team	5/28/15	5/29/15												
Develop Marketing Plan – Recruitment & Outreach Subcommittee	5/1/15	7/31/15												
Monitor and evaluate curriculum development and recruitment efforts - Leadership Team & Evaluation	8/1/14	7/31/15												
Evaluation report on curriculum and recruitment – Leadership Team & Evaluation Annual Report to NSF – Leadership Team		7/31/15												
Year 2 Primary Activities			Year 1				Year 2				Year 3			
Quarterly Grant Leadership Team Meetings	9/1/15	6/30/16												
Monthly Subcommittee Meeting	08/01/15	07/31/16												
Quarterly Industry Adv. Committee Mtg (Nov, Feb, and May throughout project) – Curriculum Subcommittee	11/19/15	5/31/16												
Develop Q5 Curriculum - Curriculum Subcommittee	8/1/15													
Recruit internships – South Seattle College, BAS Advisory Comm. & Leadership Team	9/1/15	8/30/16												

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Year 1 Primary Activities	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
			Year 1				Year 2				Year 3			
Quarterly Grant Leadership Team Meetings	9/16/14	6/30/14												
Monthly Subcommittee Meeting	06/01/15	07/31/15												
Quarterly Industry Adv. Committee Mtg (Nov, Feb, and May throughout project) – Curriculum Subcommittee	11/19/14	5/31/14												
Recruit & Hire full-time SSCC Faculty - South Seattle College	8/1/14	8/31/14												
Begin posting information on Web sites - Recruitment & Outreach Subcommittee	8/1/14													
Create marketing collateral for program outreach – Recruitment & Outreach Subcommittee	8/1/14	2/1/14												
Recruitment & Outreach targeting tribes, veterans, women and minorities – Recruitment & Outreach Subcommittee	8/1/14	6/30/15												
Recruitment & Outreach to 2-year programs - Recruitment & Outreach Subcommittee	8/1/14	6/30/15												
Research and link existing certifications – Curriculum Subcommittee	1/1/15	6/30/15												
Develop needed certifications - Curriculum Subcommittee	7/1/15	6/30/16												
Review course outlines and sequence and define development plan - Curriculum Subcommittee	8/1/14	9/30/14												
Develop Q1 Curriculum – Curriculum Subcommittee	8/1/14	10/1/14												
Develop Q2 Curriculum - Curriculum Subcommittee	10/1/14	12/15/14												
Develop internship program – Curriculum Subcommittee	9/1/14	6/30/15												
Recruit internships – South Seattle College, BAS Advisory Comm. & Leadership Team	8/1/14	8/30/15												
Cohort I - Q1 Courses - South Seattle College	9/22/14	12/10/14												

	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Refresh marketing collateral for program outreach – Recruitment & Outreach Subcommittee	7/1/15	12/31/15												
Recruitment & Outreach targeting tribes, veterans, women and minorities – Recruitment & Outreach Subcommittee	8/1/15	7/31/16												
Recruitment & Outreach to 2-year programs - Recruitment & Outreach Subcommittee	8/1/15	7/31/16												
Seattle Public Schools Teacher Summit (Summer date) – STEM Pipeline Subcommittee	9/1/15	7/31/16												
Cleveland High School/Seattle Public Schools Outreach Event - Recruitment & STEM Pipeline Subcommittees	TBD													
Develop articulation agreements – STEM Pipeline Subcommittee	8/1/15	7/31/16												
High school teachers invited to Energy Educators Association Workshops – STEM Pipeline Subcommittee	9/1/15	6/30/16												
Provide enhanced wrap-around services for students – Recruitment & Outreach Subcommittee	8/1/15	7/31/16												
Cohort I - Q4 Courses – South Seattle College	9/23/15	12/11/15												
Cohort II - Q1 Courses - South Seattle College	9/23/15	12/11/15												
Cohort I - Q5 Course - South Seattle College	1/6/16	3/31/16												
Cohort II - Q2 Courses - South Seattle College	1/6/16	3/31/16												
Cohort I – Q6 Courses – South Seattle College	4/1/16	6/15/16												
Cohort II - Q3 Courses - South Seattle College	4/1/16	6/15/16												
Disseminate information at the Energy & Construction Best Practices Summit - Leadership Team	5/1/16	6/15/16												
Monitor and evaluate curriculum development, recruitment and connection to K-12 - Leadership Team & Evaluation	8/1/15	7/31/16												
Evaluation Report on curriculum development, recruitment and connection to K-12 - Leadership Team & Evaluation	7/31/16													



	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Annual Report to NSF – Leadership Team		7/31/16												
Year 3 Primary Activities			Year 1				Year 2				Year 3			
Quarterly Grant Leadership Team Meetings	9/16/14	ongoing												
Monthly Subcommittee Meeting	08/01/16	07/31/17												
Quarterly Industry Adv. Committee Mtg (Nov, Feb, and May throughout project) – Curriculum Subcommittee	11/19/14	ongoing												
Refresh marketing collateral for program outreach – Recruitment & Outreach Subcommittee	7/1/16	12/31/16												
Recruitment & Outreach targeting tribes, veterans, women and minorities – Recruitment & Outreach Subcommittee	8/1/14	12/31/17												
Recruitment & Outreach to 2-year programs - Recruitment & Outreach Subcommittee	8/1/14	12/31/17												
Cleveland High School/Seattle Public Schools Outreach Event - Recruitment & STEM Pipeline Subcommittees	TBD													
High school teachers invited to Energy Educators Association Workshops – STEM Pipeline Subcommittee	9/1/16	6/30/17												
Develop articulation agreements – STEM Pipeline Subcommittee	8/1/16	7/31/17												
Recruit internships – South Seattle College, BAS Advisory Comm. & Leadership Team	9/1/16	7/31/17												
Provide enhanced wrap-around services for students – Recruitment & Outreach Subcommittee	8/1/16	7/31/17												
Cohort II - Q4 Courses – South Seattle College	9/23/16	12/11/16												
Cohort III - Q1 Courses – South Seattle College	9/23/16	12/11/16												
Cohort II - Q5 Courses - South Seattle College	1/3/17	3/21/17												
Cohort III - Q2 Courses - South Seattle College	1/3/17	3/21/17												
Cohort II – Q6 Courses – South Seattle College	4/3/17	6/15/17												
Cohort III - Q3 Courses - South Seattle College	4/3/17	6/15/17												

PURCHASING
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	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Refresh marketing collateral for program outreach – <i>Recruitment & Outreach Subcommittee</i>	7/1/15	12/31/15												
Recruitment & Outreach targeting tribes, veterans, women and minorities – <i>Recruitment & Outreach Subcommittee</i>	8/1/15	7/31/16												
Recruitment & Outreach to 2-year programs - <i>Recruitment & Outreach Subcommittee</i>	8/1/15	7/31/16												
Seattle Public Schools Teacher Summit (Summer date) – <i>STEM Pipeline Subcommittee</i>	9/1/15	7/31/16												
Cleveland High School/Seattle Public Schools Outreach Event - <i>Recruitment & STEM Pipeline Subcommittees</i>	TBD													
Develop articulation agreements – <i>STEM Pipeline Subcommittee</i>	8/1/15	7/31/16												
High school teachers invited to Energy Educators Association Workshops – <i>STEM Pipeline Subcommittee</i>	9/1/15	6/30/16												
Provide enhanced wrap-around services for students – <i>Recruitment & Outreach Subcommittee</i>	8/1/15	7/31/16												
Cohort I - Q4 Courses – <i>South Seattle College</i>	9/23/15	12/11/15												
Cohort II - Q1 Courses - <i>South Seattle College</i>	9/23/15	12/11/15												
Cohort I - Q5 Course - <i>South Seattle College</i>	1/6/16	3/31/16												
Cohort II - Q2 Courses - <i>South Seattle College</i>	1/6/16	3/31/16												
Cohort I – Q6 Courses – <i>South Seattle College</i>	4/1/16	6/15/16												
Cohort II - Q3 Courses - <i>South Seattle College</i>	4/1/16	6/15/16												
Disseminate information at the Energy & Construction Best Practices Summit - <i>Leadership Team</i>	5/1/16	6/15/16												
Monitor and evaluate curriculum development, recruitment and connection to K-12 - <i>Leadership Team & Evaluation</i>	8/1/15	7/31/16												
Evaluation Report on curriculum development, recruitment and connection to K-12 - <i>Leadership Team & Evaluation</i>		7/31/16												

	Start	End	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Disseminate information at the Energy & Construction Best Practices Summit - Leadership Team	5/1/17	5/31/17												
Seattle Public Schools Teacher Summit (Summer Date) - STEM Pipeline Subcommittee	9/1/16	7/31/17												
Monitor and evaluate curriculum development, recruitment and connection to K-12 - Leadership Team & Evaluation	8/1/16	7/31/17												
Final evaluation report - Leadership Team & Evaluation		7/31/17												
Final Report and Project Outcomes Report to NSF - Leadership Team		7/31/17												

Seattle Colleges is responsible for the following:
Seattle Colleges is the project lead for the National Science Foundation (NSF) award of a STEM (Science, Technology, Engineering, and Mathematics), ATE (Advanced Technological Education) grant in support of career pathway development in Sustainable Building Science Technology (SBST). As such it is the prime awardee for NSF and must communicate to Cascadia College all requirements of that agreement that pertain to Cascadia College. Specifically, Seattle Colleges will organize meetings, notify Cascadia College of them, provide pertinent documentation, and coordinate on delivery of services.

Cascadia College will provide the following deliverables:

- Articulation Agreement
- High school outreach events in Years 2 and 3
- Teacher Summit in Years 2 and 3

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BUDGET

The parties have estimated that the cost of accomplishing the work herein will not exceed \$21,600.00

The Contractor shall be compensated at a per hour rate for work actually performed, provided that the total compensation shall not exceed the amount specified in the preceding paragraph.

	Performance Period				Amount
	From	To			
Year 1	[08/01/2015]	[07/31/2016]			
Salary					\$9,600
Benefits					\$700
Travel					\$500
				Total	\$10,800
Year 2	[08/01/2016]	[07/31/2017]			
Salary					\$9,600
Benefits					\$700
Travel					\$500
				Total	\$10,800
Maximum Compensation for This Contract					\$21,600.00

The invoices shall describe and document, to Seattle College's satisfaction, a description of the work performed, progress of the project, and fees. The invoice shall include the contract reference number: 502393. If expenses are invoiced, Contractor shall provide a detailed listing of costs accompanied by receipts for all costs.

The parties agree that Seattle Colleges shall **NOT** be responsible for any additional costs or expenses incurred by Cascadia College in the performance of work described in this Agreement, which include but are not limited to travel, lodging, meals, and other miscellaneous expenses otherwise incurred by Cascadia College except for the travel costs specified in the budget. Compensation shall be up to, but shall not exceed, the budgeted cost for each budget category identified in the above budget table. Any variance shall be justified to (Seattle College)'s Contract Manager who shall have discretion to approve/disapprove compensation for such variance.

In the event additional funds become available, any Agreement awarded may be renegotiated to provide for additional services (e.g., model development, implementation, etc.) subject to satisfactory completion of a previous phase.

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