AMENDMENT TO
FINANCIAL ASSISTANCE AWARD

AWARD NUMBER
51-10-S13051

AMENDMENT NUMBER
10

EFFECTIVE DATE
06/22/2018

EXTEND PERIOD OF PERFORMANCE TO
(IF APPLICABLE)

COSTS ARE REVISED AS
FOLLOWS:

<table>
<thead>
<tr>
<th>COSTS</th>
<th>PREVIOUS ESTIMATED COST</th>
<th>ADD</th>
<th>DEDUCT</th>
<th>TOTAL ESTIMATED COST</th>
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</thead>
<tbody>
<tr>
<td>FEDERAL SHARE OF COST</td>
<td>$1,989,158.00</td>
<td>$0.00</td>
<td>$658,882.72</td>
<td>$1,330,275.28</td>
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<tr>
<td>RECIPIENT SHARE OF COST</td>
<td>$497,290.00</td>
<td>$0.00</td>
<td>$163,129.88</td>
<td>$334,160.12</td>
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<td>TOTAL ESTIMATED COST</td>
<td>$2,486,448.00</td>
<td>$0.00</td>
<td>$822,012.60</td>
<td>$1,664,435.40</td>
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REASON(S) FOR AMENDMENT
This grant is hereby amended to de-obligate the remaining Federal funds in the amount of $-658,882.72 to close the ASAP account and closeout the award.

ALL TERMS AND CONDITIONS REMAIN IN EFFECT
THIS IS A UNILATERAL AMENDMENT; NO SIGNATURE FROM THE RECIPIENT IS REQUIRED

This Amendment Document (Form CD-451) signed by the Grants Officer constitutes an Amendment of the above-referenced Award, which may include an obligation of Federal funding. By signing this Form CD-451, the Recipient agrees to comply with the Amendment provisions checked below and attached, as well as previous provisions incorporated into the Award. If not signed and returned without modification by the Recipient within 30 days of receipt, the Grants Officer may unilaterally withdraw this Amendment offer and de-obligate any associated funds.

SPECIAL AWARD CONDITIONS
LINE ITEM BUDGET
OTHER(S)

SIGNATURE OF DEPARTMENT OF COMMERCE GRANTS OFFICER
Nuria Martinez
Date: 2018.06.22
16:36:56 -04'00'

DATE 6/22/2018

TYPED NAME, TYPED TITLE, AND SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL
Award Number: 51-10-S13051, Amendment Number 10
Federal Program Officer: Yuki Miyamoto-Mendez
Requisition Number: CS13051
Employer Identification Number: 546002286
Dun & Bradstreet No: 809740020
Recipient ID: 5198058
Requestor ID: 5198058

Award ACCS Information

<table>
<thead>
<tr>
<th>Bureau Code</th>
<th>FCFY</th>
<th>Project-Task</th>
<th>Org Code</th>
<th>Obj Class</th>
<th>Obligation Amount</th>
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<td>2013</td>
<td>8150000-000</td>
<td>11-00-0000-00-00-00-00</td>
<td>41-19-00-00</td>
<td>$-658,882.72</td>
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Award Contact Information

<table>
<thead>
<tr>
<th>Contact Name</th>
<th>Contact Type</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jeffrey Stern</td>
<td>Administrative</td>
<td><a href="mailto:jeff.stern@vdem.virginia.gov">jeff.stern@vdem.virginia.gov</a></td>
<td>804-897-6500</td>
</tr>
<tr>
<td>Mr. Thomas Gagnon</td>
<td>Technical</td>
<td><a href="mailto:adam.thiel@governor.virginia.gov">adam.thiel@governor.virginia.gov</a></td>
<td>804-225-4502</td>
</tr>
</tbody>
</table>

NIST Grants Officer: Nuria Martinez
100 Bureau Drive, MS 1650
Gaithersburg, MD 20899-1650
(301) 975-6215

NIST Grants Specialist: Shiou Liu
100 Bureau Drive, MS 1650
Gaithersburg, MD 20899-1650
(301) 975-8245