

DVHA Routing Form

Type of Agreement: Contract Agreement #: 12774 Form of Agreement: Amendment Amendment #: 1

Name of Recipient: Ingenix Public Sector Solutions, Inc Vendor #: 0000173892

Agreement Manager: Ron Clark Phone #: 802-879-5652

Brief Explanation of Agreement: **Amendment seeks to extend contract by 1 year June 1, 2011 to May 31, 2012, and increase total dollar amount by \$396,000.**

Start Date: June 1, 2008 End Date: May 31, 2012 Maximum Amount: \$1,600,200.00

Amendments Only: Maximum Prior Amount: \$1,204,200.00 Percentage of Change: 33.00%

Bid Process (Contracts Only): Standard Simplified Sole Source Statutory Master Contract SOW

Funding Source

Global Commitment 93.778	\$1,600,200.00		

Contents of Attached Packet

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> AA-14 | <input checked="" type="checkbox"/> Attachments A, B, C & F | <input type="checkbox"/> Attachment G - Academic Research |
| <input type="checkbox"/> Sole Source Memo | <input type="checkbox"/> Attachment D - Modifications to C & F | <input type="checkbox"/> MOU |
| <input checked="" type="checkbox"/> Qualitative/Justification Memo | <input checked="" type="checkbox"/> Attachment E - Business Associate Agreement | <input checked="" type="checkbox"/> Other: Amendment 1 |

Reviewer	Reviewer Initials	Date In	Date Out
DVHA Grant & Contract Administrator	Kate Jones	KJ	3/30
DVHA BO	Carrie Hathaway	CH	3-31-11
DVHA Commissioner	Susan Besio	SWB	4/1/11
AHS Attorney General	Seth Steinzor	SS	4/6/11
Following Approvals for Contracts Only:			
AHS CIO	Angela Bonetti	AB	4/13/11
AHS Central Office	Martha Faber	MGF	4/13/11
AHS Secretary	Patrick Flood, Dept Sec	SWB	5/25/11

Vision Account Codes: **3410010000/20405/507600/41489**

<input type="checkbox"/> Subrecipient Module Entry <input type="checkbox"/> FFATA Entry	<p style="text-align: center;">Initials & Date</p> <p style="text-align: center;">S.J. 5/25/11</p>
--	--

Vision PO #: **3066**

Note: All sections are required. Incomplete forms will be returned to department.

CHECK ONLY ONE BOX IF APPLICABLE:

ARRA Contract

ACA Contract

I. CONTRACT INFORMATION:

Agency/Department: AHS/ DVHA Contract #: 12774 Amendment #: 1
 Vendor Name: Ingenix Public Sector Solutions, Inc VISION Vendor No: 173892
 Vendor Address: 12125 Technology Drive, Eden Prairie, MN 55344
 Starting Date: 9/1/2008 Ending Date: 5/31/2012 Amendment Date: 3/30/2011
 Summary of agreement or amendment: Amendment seeks to extend contract by 1 year June 1, 2011 to May 31, 2012, and increase total dollar amount by \$396,000.

II. FINANCIAL INFORMATION

Maximum Payable: \$1,600,200 Prior Maximum: ~~\$124,200~~ Prior Contract # (If Renewal):
 Current Amendment: \$396,000 Cumulative amendments: \$1,204,200 AAG 4/15 \$396,000 % Cumulative Change: 33.00 %
 Business Unit(s): 03410 VISION Account: 507600

III. PERFORMANCE INFORMATION

Does this Agreement include Performance Measures tied to Outcomes and/or financial reward/penalties? Yes No

Estimated Funding Split: G-Fund % S-Fund % F-Fund % GC-Fund 100.00 % Other %

III. PUBLIC COMPETITION

The agency has taken reasonable steps to control the price of the contract or procurement grant and to allow qualified organizations to compete for the work authorized by this contract. The agency has done this through:

Standard bid or RFP Simplified Bid Sole Sourced Qualification Based Selection Statutory

IV. TYPE OF AGREEMENT & PERFORMANCE INFORMATION

Check all that apply: Service Personal Service Architect/Engineer Construction Marketing
 Information Technology Other, describe:

V. SUITABILITY FOR CONTRACT FOR SERVICE

Yes No n/a If this is a Personal Service contract, does this agreement meet all 3 parts of the "ABC" definition of independent contractor? (See Bulletin 3.5) If NO, then contractor must be paid through Payroll

VI. CONFLICT OF INTEREST

By signing below, I certify that no person able to control or influence award of this contract had a pecuniary interest in its award or performance, either personally or through a member of his or her household, family, or business.

Yes No Is there an "appearance" of a conflict of interest so that a reasonable person may conclude that this party was selected for improper reasons: (If yes, explain)

VII. PRIOR APPROVALS REQUIRED OR REQUESTED

Yes No Agreement must be approved by the Attorney General under 3 VSA §311(a)(10) (personal service)
 Yes No I request the Attorney General review this agreement as to form
 No, already performed by in-house AAG or counsel: JS (initial)
 Yes No Agreement must be approved by the Comm. of DII; for IT hardware, software or services and Telecommunications over \$100,000
 Yes No Agreement must be approved by the CMO; for Marketing services over \$15,000
 Yes No Agreement must be approved by Comm. Human Resources (privatization and retiree contracts)
 Yes No Agreement must be approved by the Secretary of Administration

*AKS CD
 AAG
 4/13/11*

VIII. AGENCY/DEPARTMENT HEAD CERTIFICATION; APPROVAL

I have made reasonable inquiry as to the accuracy of the above information:

Date 4/11/11 Agency / Department Head [Signature] Date 4/13/11 Agency Secretary or Other Department Head (if required) [Signature]
 Date 4/6/11 Approval by Attorney General [Signature] Date N/A Approved by Commissioner of Human Resources
 Date _____ CIO (initial) _____ Date _____ CMO (initial) _____ Date 4/13/11 Secretary of Administration [Signature]

REC'D APR 14 2011

State of Vermont
Department of Vermont Health Access
312 Hurricane Lane, Suite 201
Williston VT 05495-2807
dvha.vermont.gov

[Phone] 802-879-5900
[Fax] 802-879-5651

Agency of Human Services



To: Jeb Spaulding, Secretary of Administration
Thru: Doug Racine, Secretary of Human Services *PF for DR 4/13/11*
From: Vicki Loner, Director of the Division of Health Services and Managed Care, DVHA
Date: Tuesday, March 29, 2011
Re: Request for approval of Amendment No. 1 to contract No. 12774 pursuant to Section X "Contract Amendments," Agency of Administration Bulletin No. 3.5.

We are requesting approval of Amendment No. 1 to contract No. 12774 between the State of Vermont (Department of Vermont Health Access) and Ingenix, Inc. and Ingenix Public Sector Solutions, Inc. ("Ingenix" or "Contractor"). This amendment seeks to invoke the previously approved term extension for this contract of one additional year, from June 1, 2011 to May 31, 2012, at a cost not to exceed the current annual payment amount of the contract.

Scope of work

The DVHA will be undertaking new data-mining projects in the additional year to detect improper Medicaid payments in areas including but not limited to: hospital inpatient services; payments on behalf of dual eligible beneficiaries (Medicaid and Medicare); drug claims; outpatient institutional claims; and professional claims. See the full list in Exhibit A (pg. 11). At the beginning of each quarter, the DVHA and the contractor will agree on at least five significant algorithms to be developed and run to detect overpayments in the provider categories noted in Exhibit A.

Outcomes: The contractor is responsible for developing, testing, running and reviewing algorithms in Exhibit A to detect improper payments. The DVHA's responsibility is to validate incorrect claims and recoup dollars for the Medicaid program. Our goal is to recoup funds in the range of \$850,000 to \$1.2 million based on contractor algorithms to be run during the contract period. Recoupment would likely occur both in FY2012 and FY2013 due to the time needed for the DVHA to validate claims, review them with providers, and recoup funds related to improperly billed or paid claims.

It is difficult to be precise about the return on investment, but our experience has shown that this contract yields at minimum a 2:1 return on investment. If, after reviewing the amendment, you have questions, we would be pleased to address them. Please contact me or contract manager Ron Clark, 879-5652, at any time. Thank you.


Approved – Secretary of Administration

05/04/11
Date



AMENDMENT

It is agreed by and between the State of Vermont, Department of Vermont Health Access (hereafter called the "State") and Ingenix Public Sector Solutions, Inc. (hereafter called the "Contractor") that the contract on the subject of claims data analysis and post payment review services for the Vermont Medicaid program, effective June 1, 2008, is hereby amended effective June 1, 2011, as follows:

Throughout all pages in the contract document, any mention of Office of Vermont Health Access (OVHA) shall be deleted and substituting in lieu thereof the following:

Department of Vermont Health Access (DVHA)

By deleting on page 1 of 41, Section 3 Maximum Amount and substituting in lieu thereof the following Section 3:

3. Maximum Amount. In consideration of the services to be performed by Contract, the State agrees to pay Contractor, in accordance with the payment provisions specified in Attachment B, a sum not to exceed \$1,600,200.

By deleting on page 1 of 41, Section 4 Contract Term and substituting in lieu thereof the following Section 4:

4. Contract Term. The period of the Contractor's performance shall begin on June 1, 2008 and end on May 31, 2012.

By replacing in Attachment A Specification of Work to be Performed Section V with the following:
V. Performance Standards for the Contractor (Ingenix/HWT) will include the following:

1. Report all claim types and categories of service as identified by DVHA for state fiscal years 2005 through 2011 (July 1 through June 30) according to the following time frames:
 - a. 2005-2006: No later than March 31, 2009
 - b. 2007-2008: No later than February 28, 2010
 - c. 2009-2010: No later than January 31, 2011
 - d. 2010-2011: No later than January 31, 2012
 - e. 1st and 2nd Quarters of 2012: No later than May 31, 2012

This schedule recognizes that in year 1 of this contract the Contractor will require additional time to familiarize itself with Vermont Medicaid claims, but expects increasing expertise in year 2 and 3. In addition, the claim types and categories shall be consistent with those set forth in the Algorithm Roadmap and Exhibit A to this Contract for the period from June 1, 2011 through May 31, 2012.

2. Produce the following reports:
 - a. Monthly status report due by the 10th of the following month. This is a point in time monthly activity report by review period (2005-2006, 2007-2008, 2009-2010, 2010-2011 and 1st - 2nd Quarters of 2012) and claim type, minimally reporting number of claims to be reviewed, the number reviewed the number in error by error types, value of claims, and disposition of any claims adjusted, recovered, and/or underpaid. Final design of the report will be determined by DVHA in discussion with the Contractor.
 - b. Review period (2005-2006, 2007-2008, 2009-2010, 2010-2011 and 1st - 2nd Quarters of 2012) report due by the 10th the month following the deadline for that review period. This is a summary report of review period activity by review period (2005-2006, 2007-2008, 2009-2010, 2010-2011 and 1st - 2nd Quarters of 2012) and claim type including number reviewed, number in error by error types, value of claims, and disposition of any claims adjusted,

recovered, and/or underpaid. Final design of report will be determined by DVHA in discussion with the Contractor.

- c. Additional reports as determined by the State in discussion with the Contractor within agreed upon time frames.
3. Provide timely response to the State and its designated staff within 2 business days.
4. Establish and maintain good working relations with the State and its contractors.
5. Assure all necessary and appropriate safeguards in the handling of the State's data.
6. Prepare a State specific disaster recovery plan and business continuity plan during the implementation phase of the contract and maintain it during the term of this contract. Assure backups of Medicaid information and data on no less than a weekly basis.

By adding on page 8 of 41 Attachment A Specification of Work to be Performed Exhibit A Fixed Fee Services, which is included as part of this amendment on page 3.

By deleting on pages 9 of 41, Attachment A Specification of Work to be Performed Appendix I and substituting in lieu thereof, Appendix I, DVHA Project Work Plan, which is included as part of this amendment on pages 4 through 11.

By deleting on pages 16 of 41, Attachment B Payment Provisions, Section 1 and replacing with the following:

- 1) Contractor invoices for claims data analysis and post payment review services shall be submitted no more than monthly. The total maximum amount payable under this contract shall not exceed \$1,600,200. The costs associated with deliverables and travel costs are outlined on the Payment Schedule, Appendix II. Total service costs are \$1,584,000 and travel expenses are \$16,200.00.

By deleting on pages 16 of 41, Attachment B Payment Provisions, Sections 4 and 5 and replacing with the following:

- 4) The Contractor will submit monthly bills/invoices for services rendered under this contract to:

Ron Clark, Program Integrity Director
Department of Vermont Health Access
312 Hurricane Lane, Suite 201
Williston, VT 05495-1201

- 5) The State will remit all payments to:

Ingenix Public Sector Solutions, Inc.
P.O. Box 402842
Atlanta, GA 30384-2842

By deleting on pages 17 of 41, Attachment B Payment Provisions, Appendix II Payment Schedule and substituting in lieu thereof, Appendix II Payment Schedule, which is included as part of this amendment on pages 12 through 16.

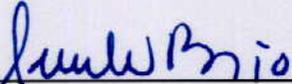
**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

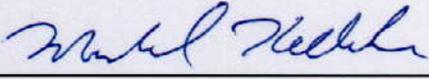
**PAGE 3 OF 17
CONTRACT # 12774
AMENDMENT #1**

This amendment consists of 16 pages. Except as modified by this amendment, all provisions of this contract, (#12774) dated June 8, 2008 shall remain unchanged and in full force and effect.

**STATE OF VERMONT
DEPARTMENT OF VERMONT HEALTH ACCESS**

**CONTRACTOR
INGENIX PUBLIC SECTOR SOLUTIONS, INC.**

By: 
Susan Besio, Commissioner

By: 
Michael Kelliher, VP, Client Services
Ingenix Public Sector Solutions, Inc. is a wholly-owned
subsidiary of UnitedHealth Group, Inc.

Date: 5/25/11

Date: May 23, 2011

**EXHIBIT A
FIXED FEE SERVICES**

The following types of claims shall provide the basis for new algorithms to be developed, reviewed and run during the amended contract term:

- Claims from Vermont Medicaid Providers Subject to Sanctions (Medicare Exclusion Database)
- Transportation Claims
- Professional Claims
- Institutional Claims
- Long Term Care Facilities Claims
- Home Care Claims
- Chiropractors Claims
- School-based services Claims
- Diagnosis Related Group (DRG) Claims
- NCCI – National Correct Coding Initiative Claims

NOTE: DVHA and Ingenix may also examine and identify other opportunities to address overpayments, where the actual additional areas of focus and scope of work for the Contractor (i.e., identification of underpayments only, or identification and recovery of overpayments) shall be determined mutually by the State and Ingenix, with one of the main determinants being the financial viability for both the State and Ingenix to perform the applicable scope of work for such provider type. These opportunities may be assigned at the beginning of each quarter.

- Inpatient Claims, including DRG audits of specific facilities to ensure no overpayments or underpayments
- Outpatient Services Claims
- Pharmacy Claims
- Durable Medical Equipment Claims
- Payments owed to the State by commercial health insurers, the Medicare program, and automobile casualty insurers
- Intermediate Care Facilities for Persons with Mental Retardation ICF/MR
- Development disability Claims
- Medical day center Claims
- Rehabilitation services Claims
- Hospice claims
- Independent clinic Claims
- Enhanced Community Options (ECO) Waiver
- Federally Qualified Health Centers (FQHCs)
- Independent lab claims
- Freestanding ESRD
- Dental claims
- Podiatrists' claims
- Optometrists' claims
- Optical appliances claims
- Radiologists Portable X-Ray claims
- Psychologist claims
- Advanced practice nurse claims
- Nurse midwives claims

APPENDIX I
DVHA PROJECT WORK PLAN
 Project Start Date: 06/01/08 Project Finish Date: 5/31/12
 Tasks

ID	Task Name	Duration	Start Date	Finish Date
30	PHASE I -- Project Startup Activities	38 days	Mon 6/2/08	Wed 7/23/08
31	Schedule on-site meeting	2 days	Mon 6/2/08	Tue 6/3/08
32	Discuss scope of work & project goals	2 days	Mon 6/2/08	Tue 6/3/08
33	Assessment of Current DVHA Capabilities	4 days	Mon 6/2/08	Thu 6/5/08
34	Review DVHA current fraud, abuse detection processes & procedures	4 days	Mon 6/2/08	Thu 6/5/08
35	Preliminary assessment of needs	4 days	Mon 6/2/08	Thu 6/5/08
36	Prepare for Policy/Vulnerability Analysis Workshop	6 days	Mon 6/2/08	Mon 6/9/08
37	Policy Review	5 days	Mon 6/2/08	Fri 6/6/08
38	Ingenix to share with DVHA draft Vulnerability Analysis	1 day	Mon 6/9/08	Mon 6/9/08
39	Identify Cross-Functional Team Members for Validation Workshop	6 days	Mon 6/2/08	Mon 6/9/08
40	Identify team member availability and set a date for Onsite Workshop	6 days	Mon 6/2/08	Mon 6/9/08
41	Invitations to Workshop Participants	6 days	Mon 6/2/08	Mon 6/9/08
42	Conduct Validation Workshop	2 days	Mon 6/9/08	Tue 6/10/08
43	Brief Team on algorithm library	2 days	Mon 6/9/08	Tue 6/10/08
44	Review Draft Vulnerability Analysis	1 day	Mon 6/9/08	Mon 6/9/08
45	Identify/Contact subject matter experts	1 day	Mon 6/9/08	Mon 6/9/08
46	Ingenix Revise/Finalize Draft Vulnerability Analysis	1 day	Mon 6/9/08	Mon 6/9/08
47	Review revised Vulnerability Analysis	1 day	Mon 6/9/08	Mon 6/9/08
48	DVHA Program Manager Review and approve Vulnerability Analysis	1 day	Mon 6/9/08	Mon 6/9/08
49	Initial Data Warehouse Activities	38 days	Mon 6/2/08	Wed 7/23/08
50	Identify key technical team members	1 day	Mon 6/2/08	Mon 6/2/08
51	Initial Data Volume Assessment	2 days	Mon 6/2/08	Tue 6/3/08
52	Schedule preliminary data discussion	1 day	Mon 6/2/08	Mon 6/2/08
53	Define and establish data environment (volume, claim types, etc)	1 day	Tue 6/3/08	Tue 6/3/08
54	Initial Data Load Activities	15 days	Mon 6/2/08	Fri 6/20/08
55	Discuss data format and exchange protocols	1 day	Mon 6/2/08	Mon 6/2/08
56	Create data loading scripts	14 days	Tue 6/3/08	Fri 6/20/08
57	Test Data Load	20 days	Wed 6/4/08	Tue 7/1/08
58	Coordinate timeframes for test file transfer	2 days	Wed 6/4/08	Thu 6/5/08
59	Acquire test files from DVHA to perform initial data load	2 days	Fri 6/6/08	Mon 6/9/08
60	Test & Debug	14 days	Mon 6/9/08	Thu 6/26/08
61	Ingenix to send DVHA test results for validation	1 day	Thu 6/26/08	Thu 6/26/08
62	DVHA to validate results	3 days	Fri 6/27/08	Tue 7/1/08
63	Reversal Logic	7 days	Tue 7/1/08	Wed 7/9/08
64	Final Load Cycle Activities	11 days	Wed 7/9/08	Wed 7/23/08
65	Coordinate timeframes for full data transfer	1 day	Wed 7/9/08	Wed 7/9/08
66	Receive full data load from DVHA	2 days	Thu 7/10/08	Fri 7/11/08
67	Ingenix to load received data	7 days	Fri 7/11/08	Mon 7/21/08
68	Ingenix to send DVHA test results for validation	1 day	Mon 7/21/08	Mon 7/21/08
69	DVHA validates	3 days	Mon 7/21/08	Wed 7/23/08

STATE OF VERMONT
 AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
 INGENIX /HWT

PAGE 6 OF 17
 CONTRACT # 12774
 AMENDMENT #1

ID	Task Name	Duration	Start Date	Finish Date
70	June 2008 Deliverables	27 days	Wed 6/4/08	Thu 7/10/08
71	Conduct Validation Workshop	1 day	Mon 6/30/08	Mon 6/30/08
72	Complete database design activities and commence data loads	1 day	Mon 6/30/08	Mon 6/30/08
73	Submit Monthly Report of contract activities	27 days	Wed 6/4/08	Thu 7/10/08
74	July 2008 Deliverables	29 days	Tue 7/1/08	Fri 8/8/08
75	Complete initial data load activities and submit QA report	1 day	Thu 7/31/08	Thu 7/31/08
76	Deliver Vulnerability Analysis and Algorithm Roadmap	1 day	Thu 7/31/08	Thu 7/31/08
77	Submit Monthly Report of contract activities	29 days	Tue 7/1/08	Fri 8/8/08
78	PHASE II -- Roadmap	43 days	Fri 8/1/08	Tue 9/30/08
79	Customize first group of prioritized algorithms from Vulnerability Analysis	4 days	Fri 8/1/08	Wed 8/6/08
80	Develop first group of algorithms	7 days	Thu 8/7/08	Fri 8/15/08
81	Review and validation of first group	3 days	Mon 8/18/08	Wed 8/20/08
82	Input changes into algorithms and data analysis for first group	3 days	Thu 8/21/08	Mon 8/25/08
83	Review and validate results for first group	5 days	Mon 8/25/08	Fri 8/29/08
84	Presentation of Findings	1 day	Tue 9/30/08	Tue 9/30/08
85	Incremental Data Loads & Maintenance	21 days	Fri 8/1/08	Fri 8/29/08
86	Activities to be discussed	21 days	Fri 8/1/08	Fri 8/29/08
87	August 2008 Deliverable	29 days	Fri 8/1/08	Wed 9/10/08
88	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Fri 8/1/08	Fri 8/29/08
89	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Fri 8/1/08	Fri 8/29/08
90	Submit Monthly Report of contract activities	29 days	Fri 8/1/08	Wed 9/10/08
91	September 2008 Deliverable	30 days	Mon 9/1/08	Fri 10/10/08
92	Deliver initial algorithm results as described in Algorithm Roadmap	8 days	Mon 9/1/08	Wed 9/10/08
93	Deliver monthly QA report detailing any incremental data loads undertaken	4 days	Mon 9/1/08	Thu 9/4/08
94	Submit Monthly Report of contract activities, including revised Algorithm roadmap	30 days	Mon 9/1/08	Fri 10/10/08
95	October 2008 Deliverable	29 days	Wed 10/1/08	Mon 11/10/08
96	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Wed 10/1/08	Thu 10/30/08
97	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Wed 10/1/08	Thu 10/30/08
98	Submit Quarterly Report of activities undertaken in Q1	29 days	Wed 10/1/08	Mon 11/10/08
99	November 2008 Deliverable	28 days	Mon 11/3/08	Wed 12/10/08
100	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Mon 11/3/08	Fri 11/28/08
101	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Mon 11/3/08	Fri 11/28/08
102	Submit Monthly Report of contract activities	28 days	Mon 11/3/08	Wed 12/10/08
103	December 2008 Deliverable	30 days	Mon 12/1/08	Fri 1/9/09
104	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Mon 12/1/08	Wed 12/31/08
105	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Mon 12/1/08	Wed 12/31/08
106	Submit Monthly Report of contract activities, including revised Algorithm roadmap	30 days	Mon 12/1/08	Fri 1/9/09

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 7 OF 17
CONTRACT # 12774
AMENDMENT #1**

ID	Task Name	Duration	Start Date	Finish Date
107	January 2009 Deliverable	29 days	Thu 1/1/09	Tue 2/10/09
108	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Fri 1/2/09	Fri 1/30/09
109	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Thu 1/1/09	Thu 1/29/09
110	Submit Quarterly Report of activities undertaken in Q2	29 days	Thu 1/1/09	Tue 2/10/09
111	February 2009 Deliverable	27 days	Mon 2/2/09	Tue 3/10/09
112	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Mon 2/2/09	Fri 2/27/09
113	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Mon 2/2/09	Fri 2/27/09
114	Submit Monthly Report of contract activities	27 days	Mon 2/2/09	Tue 3/10/09
115	March 2009 Deliverable	30 days	Mon 3/2/09	Fri 4/10/09
116	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Mon 3/2/09	Tue 3/31/09
117	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Mon 3/2/09	Tue 3/31/09
118	Submit Monthly Report of contract activities, including revised Algorithm roadmap	30 days	Mon 3/2/09	Fri 4/10/09
119	April 2009 Deliverable	31 days	Mon 3/30/09	Mon 5/11/09
120	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Wed 4/1/09	Thu 4/30/09
121	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Wed 4/1/09	Thu 4/30/09
122	Submit Review Period: 2005-2006 Report	10 days	Mon 3/30/09	Fri 4/10/09
123	Submit Quarterly Report of activities undertaken in Q3	29 days	Wed 4/1/09	Mon 5/11/09
124	May 2009 Deliverable	29 days	Fri 5/1/09	Wed 6/10/09
125	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Fri 5/1/09	Fri 5/29/09
126	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Fri 5/1/09	Fri 5/29/09
127	Submit Monthly Report of contract activities	29 days	Fri 5/1/09	Wed 6/10/09
128	CONTRACT TERM YEAR 2	269 days	Mon 6/1/09	Thu 6/10/10
129	June 2009 Deliverable	30 days	Mon 6/1/09	Fri 7/10/09
130	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Mon 6/1/09	Tue 6/30/09
131	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Mon 6/1/09	Tue 6/30/09
132	Submit Monthly Report of contract activities, including revised Algorithm roadmap	23 days	Wed 6/10/09	Fri 7/10/09
133	July 2009 Deliverable	29 days	Wed 7/1/09	Mon 8/10/09
134	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Wed 7/1/09	Thu 7/30/09
135	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Wed 7/1/09	Thu 7/30/09
136	Submit FY2009 Annual Report	29 days	Wed 7/1/09	Mon 8/10/09
137	August 2009 Deliverable	29 days	Mon 8/3/09	Thu 9/10/09
138	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Mon 8/3/09	Mon 8/31/09
139	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Mon 8/3/09	Mon 8/31/09
140	Submit Monthly Report of contract activities	29 days	Mon 8/3/09	Thu 9/10/09

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 8 OF 17
CONTRACT # 12774
AMENDMENT #1**

ID	Task Name	Duration	Start Date	Finish Date
141	September 2009 Deliverable	29 days	Tue 9/1/09	Fri 10/9/09
142	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Tue 9/1/09	Wed 9/30/09
143	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Tue 9/1/09	Wed 9/30/09
144	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Tue 9/1/09	Fri 10/9/09
145	October 2009 Deliverable	29 days	Thu 10/1/09	Tue 11/10/09
146	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Thu 10/1/09	Fri 10/30/09
147	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Thu 10/1/09	Fri 10/30/09
148	Submit Quarterly Report of activities undertaken in Q1	29 days	Thu 10/1/09	Tue 11/10/09
149	November 2009 Deliverable	29 days	Mon 11/2/09	Thu 12/10/09
150	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Mon 11/2/09	Fri 11/27/09
151	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Mon 11/2/09	Fri 11/27/09
152	Submit Monthly Report of contract activities	29 days	Mon 11/2/09	Thu 12/10/09
153	December 2009 Deliverable	30 days	Tue 12/1/09	Mon 1/11/10
154	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Tue 12/1/09	Thu 12/31/09
155	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Tue 12/1/09	Thu 12/31/09
156	Submit Monthly Report of contract activities, including revised Algorithm roadmap	30 days	Tue 12/1/09	Mon 1/11/10
157	January 2010 Deliverable	29 days	Fri 1/1/10	Wed 2/10/10
158	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Fri 1/1/10	Fri 1/29/10
159	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Fri 1/1/10	Fri 1/29/10
160	Submit Quarterly Report of activities undertaken in Q2	29 days	Fri 1/1/10	Wed 2/10/10
161	February 2010 Deliverable	28 days	Mon 2/1/10	Wed 3/10/10
162	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Mon 2/1/10	Fri 2/26/10
163	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Mon 2/1/10	Fri 2/26/10
164	Submit Monthly Report of contract activities	28 days	Mon 2/1/10	Wed 3/10/10
165	March 2010 Deliverable	31 days	Fri 2/26/10	Fri 4/9/10
166	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Mon 3/1/10	Wed 3/31/10
167	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Mon 3/1/10	Wed 3/31/10
168	Submit Review Period: 2006-2007 Report	9 days	Fri 2/26/10	Wed 3/10/10
169	Submit Monthly Report of contract activities	30 days	Mon 3/1/10	Fri 4/9/10
170	April 2010 Deliverable	28 days	Thu 4/1/10	Mon 5/10/10
171	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Thu 4/1/10	Fri 4/30/10
172	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Thu 4/1/10	Fri 4/30/10
173	Submit Quarterly Report of activities undertaken in Q3	28 days	Thu 4/1/10	Mon 5/10/10

STATE OF VERMONT
 AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
 INGENIX /HWT

PAGE 9 OF 17
 CONTRACT # 12774
 AMENDMENT #1

ID	Task Name	Duration	Start Date	Finish Date
174	May 2010 Deliverable	29 days	Mon 5/3/10	Thu 6/10/10
175	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Mon 5/3/10	Mon 5/31/10
176	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Mon 5/3/10	Mon 5/31/10
177	Submit Monthly Report of contract activities	29 days	Mon 5/3/10	Thu 6/10/10
178	CONTRACT TERM YEAR 3	261 days	Tue 6/1/10	Tue 5/31/11
179	June 2010 Deliverable	29 days	Tue 6/1/10	Fri 7/9/10
180	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Tue 6/1/10	Wed 6/30/10
181	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Tue 6/1/10	Wed 6/30/10
182	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Tue 6/1/10	Fri 7/9/10
183	July 2010 Deliverable	29 days	Thu 7/1/10	Tue 8/10/10
184	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Thu 7/1/10	Fri 7/30/10
185	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Thu 7/1/10	Fri 7/30/10
186	Submit FY2010 Annual Report	29 days	Thu 7/1/10	Tue 8/10/10
187	August 2010 Deliverable	30 days	Mon 8/2/10	Fri 9/10/10
188	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Mon 8/2/10	Tue 8/31/10
189	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Mon 8/2/10	Tue 8/31/10
190	Submit Monthly Report of contract activities	30 days	Mon 8/2/10	Fri 9/10/10
191	September 2010 Deliverable	29 days	Wed 9/1/10	Mon 10/11/10
192	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Wed 9/1/10	Thu 9/30/10
193	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Wed 9/1/10	Thu 9/30/10
194	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Wed 9/1/10	Mon 10/11/10
195	October 2010 Deliverable	29 days	Fri 10/1/10	Wed 11/10/10
196	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Fri 10/1/10	Fri 10/29/10
197	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Fri 10/1/10	Fri 10/29/10
198	Submit Quarterly Report of activities undertaken in Q1	29 days	Fri 10/1/10	Wed 11/10/10
199	November 2010 Deliverable	30 days	Mon 11/1/10	Fri 12/10/10
200	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Mon 11/1/10	Fri 11/26/10
201	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Mon 11/1/10	Fri 11/26/10
202	Submit Monthly Report of contract activities	30 days	Mon 11/1/10	Fri 12/10/10
203	December 2010 Deliverable	29 days	Wed 12/1/10	Mon 1/10/11
204	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Wed 12/1/10	Fri 12/31/10
205	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Wed 12/1/10	Fri 12/31/10
206	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Wed 12/1/10	Mon 1/10/11

STATE OF VERMONT
 AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
 INGENIX /HWT

PAGE 10 OF 17
 CONTRACT # 12774
 AMENDMENT #1

ID	Task Name	Duration	Start Date	Finish Date
207	January 2011 Deliverable	29 days	Mon 1/3/11	Thu 2/10/11
208	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Mon 1/3/11	Mon 1/31/11
209	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Mon 1/3/11	Mon 1/31/11
210	Submit Quarterly Report of activities undertaken in Q2	29 days	Mon 1/3/11	Thu 2/10/11
211	February 2011 Deliverable	30 days	Fri 1/28/11	Thu 3/10/11
212	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Tue 2/1/11	Mon 2/28/11
213	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Tue 2/1/11	Mon 2/28/11
214	Submit Review Period: 2009-2010 Report	10 days	Fri 1/28/11	Thu 2/10/11
215	Submit Monthly Report of contract activities	28 days	Tue 2/1/11	Thu 3/10/11
216	March 2011 Deliverable	30 days	Tue 3/1/11	Mon 4/11/11
217	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Tue 3/1/11	Thu 3/31/11
218	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Tue 3/1/11	Thu 3/31/11
219	Submit Monthly Report of contract activities	30 days	Tue 3/1/11	Mon 4/11/11
220	April 2011 Deliverable	28 days	Fri 4/1/11	Tue 5/10/11
221	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Fri 4/1/11	Tue 5/3/11
222	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Fri 4/1/11	Tue 5/3/11
223	Submit Quarterly Report of activities undertaken in Q3	28 days	Fri 4/1/11	Tue 5/10/11
224	May 2011 Deliverable	29 days	Mon 5/2/11	Thurs 6/9/11
225	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Mon 5/2/11	Tue 5/31/11
226	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Mon 5/2/11	Tue 5/31/11
227	Submit Monthly Report of contract activities	29 days	Mon 5/2/11	Thurs 6/9/11
228	CONTRACT TERM YEAR 5	261 days	Wed 6/1/11	Thurs 5/31/11
229	June 2011 Deliverable	29 days	Wed 6/1/11	Mon 7/11/11
230	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Wed 6/1/11	Thurs 6/30/11
231	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Wed 6/1/11	Thurs 6/30/11
232	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Wed 6/1/11	Mon 7/11/11
233	July 2011 Deliverable	29 days	Fri 7/1/11	Wed 8/10/11
234	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Fri 7/1/11	Fri 7/29/11
235	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Fri 7/1/11	Fri 7/29/11
236	Submit FY2010 Annual Report	29 days	Fri 7/1/11	Wed 8/10/11
237	August 2011 Deliverable	30 days	Thurs 8/1/11	Fri 9/9/11
238	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Thurs 8/1/11	Tue 8/30/11
239	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Thurs 8/1/11	Tue 8/30/11
240	Submit Monthly Report of contract activities	30 days	Thurs 8/1/11	Fri 9/9/11

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 11 OF 17
CONTRACT # 12774
AMENDMENT #1**

ID	Task Name	Duration	Start Date	Finish Date
241	September 2011 Deliverable	29 days	Thurs 9/1/11	Tues 10/11/11
242	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Thurs 9/1/11	Fri 9/30/11
243	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Thurs 9/1/11	Fri 9/30/11
244	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Thurs 9/1/11	Tues 10/11/11
245	October 2011 Deliverable	29 days	Mon 10/3/11	Thurs 11/10/11
246	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Mon 10/3/11	Mon 10/30/11
247	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Mon 10/3/11	Mon 10/30/11
248	Submit Quarterly Report of activities undertaken in Q1	29 days	Mon 10/3/11	Thurs 11/10/11
249	November 2011 Deliverable	30 days	Tues 11/1/11	Mon 12/12/11
250	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Tues 11/1/11	Mon 11/28/11
251	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Tues 11/1/11	Mon 11/28/11
252	Submit Monthly Report of contract activities	30 days	Tues 11/1/11	Mon 12/12/11
253	December 2011 Deliverable	29 days	Thurs 12/1/11	Tues 1/10/12
254	Deliver initial algorithm results as described in Algorithm Roadmap	22 days	Thurs 12/1/11	Fri 12/30/11
255	Deliver monthly QA report detailing any incremental data loads undertaken	22 days	Thurs 12/1/11	Fri 12/30/11
256	Submit Monthly Report of contract activities, including revised Algorithm roadmap	29 days	Thurs 12/1/11	Tues 1/10/12
257	January 2012 Deliverable	29 days	Mon 1/2/12	Thu 2/9/12
258	Deliver initial algorithm results as described in Algorithm Roadmap	21 days	Mon 1/2/12	Mon 1/30/12
259	Deliver monthly QA report detailing any incremental data loads undertaken	21 days	Mon 1/2/12	Mon 1/30/12
260	Submit Quarterly Report of activities undertaken in Q2	29 days	Mon 1/2/12	Thu 2/9/12
261	February 2012 Deliverable	30 days	Tues 1/31/12	Mon 3/13/12
262	Deliver initial algorithm results as described in Algorithm Roadmap	20 days	Wed 2/1/12	Tues 2/28/12
263	Deliver monthly QA report detailing any incremental data loads undertaken	20 days	Wed 2/1/12	Tues 2/28/12
264	Submit Review Period: 2010-2011 Report	10 days	Tues 1/31/12	Tues 2/14/12
265	Submit Monthly Report of contract activities	28 days	Wed 2/1/12	Fri 3/10/12
266	March 2012 Deliverable	30 days	Wed 3/1/12	Tues 4/11/12
267	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Wed 3/1/12	Fri 3/31/12
268	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Wed 3/1/12	Fri 3/31/12
269	Submit Monthly Report of contract activities	30 days	Wed 3/1/12	Tues 4/11/12
270	April 2012 Deliverable	28 days	Mon 4/3/12	Wed 5/10/12
271	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Mon 4/3/12	Wed 5/3/12
272	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Mon 4/3/12	Wed 5/3/12
273	Submit Quarterly Report of activities undertaken in Q3	28 days	Mon 4/3/12	Wed 5/10/12

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 12 OF 17
CONTRACT # 12774
AMENDMENT #1**

ID	Task Name	Duration	Start Date	Finish Date
274	May 2012 Deliverable	23 days	Mon 5/1/12	Tue 5/31/12
275	Deliver initial algorithm results as described in Algorithm Roadmap	23 days	Mon 5/1/12	Tue 5/31/12
276	Deliver monthly QA report detailing any incremental data loads undertaken	23 days	Mon 5/1/12	Tue 5/31/12
277	Submit Review Period: Qtr. 1 & 2 2012 Report & Final Report	23 days	Mon 5/1/12	Tue 5/31/12

** Please note the columns – duration, start date and end date are all subject to change and reliant on many aspects of the parties involved such as: client availability, transfer of data, access to subject matter experts, timeliness of approvals and other unanticipated delays. Ingenix makes every effort to make this project moving efficiently with a dedicated Contract Manager. However, in our experience, it is important to clarify this note that when delays do arrive they are unanticipated and Ingenix will work through these issues to continue moving key tasks successfully.

APPENDIX II PAYMENT SCHEDULE

Month	Deliverables	Payment (-10% Retainage)	Retainage Payment from Previous Month	Total
Jun-08	<ul style="list-style-type: none"> • Contract Start Up Activities • Conduct On-site Validation Workshop (\$13,000) • Complete Database Design (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$0.00	\$29,700.00
Jul -08	<ul style="list-style-type: none"> • Contract Start Up Activities • Complete initial data load activities and submit data QA report (\$18,000) • Deliver Vulnerability Analysis and Algorithm Roadmap (\$13,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Aug-08	<ul style="list-style-type: none"> • Deliver initial algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Sep-08	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Oct-08	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Nov-08	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q1 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Dec-08	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jan-09	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Feb-09	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q2 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Mar-09	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 14 OF 17
CONTRACT # 12774
AMENDMENT #1**

Month	Deliverables	Payment (-10% Retainage)	Retainage Payment from Previous Month	Total
Apr - 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
May- 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Quarterly Report of activities undertaken in Q3 and Summary Report of Review Period 2005/06 (due by April 10) (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jun - 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jul - 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Aug- 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Deliver monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit FY2009 Annual Report (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Sep - 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Oct - 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Nov- 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Quarterly Report of activities undertaken in Q1 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Dec- 09	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jan - 10	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 15 OF 17
CONTRACT # 12774
AMENDMENT #1**

Month	Deliverables	Payment (-10% Retainage)	Retainage Payment from Previous Month	Total
Feb - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q2 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Mar - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Apr - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities and Summary Report of Review Period 2007/08 (due by March 10) (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
May - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q3 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jun - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jul - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Aug - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Deliver monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit FY2010 Annual Report (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Sep - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Oct - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Nov - 10	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q1 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 16 OF 17
CONTRACT # 12774
AMENDMENT #1**

Month	Deliverables	Payment (-10% Retainage)	Retainage Payment from Previous Month	Total
Dec-10	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jan -11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Feb -11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Quarterly Report of activities undertaken in Q2 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Mar-11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities and Summary Report of Review Period 2009/10 (due by February 10) (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Apr -11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
May-11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Quarterly Report of activities undertaken in Q3 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jun -11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jul -11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Aug-11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Deliver monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit FY2010 Annual Report (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Sep-11	<ul style="list-style-type: none"> Deliver algorithm results as described in Algorithm Roadmap (\$13,000) Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00

**STATE OF VERMONT
AMENDMENT TO CONTRACT FOR PERSONAL SERVICES
INGENIX /HWT**

**PAGE 17 OF 17
CONTRACT # 12774
AMENDMENT #1**

Month	Deliverables	Payment (- 10% Retainage)	Retainage Payment from Previous Month	Total
Oct - 11	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Nov- 11	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q1 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Dec- 11	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Jan- 12	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities, including revised Algorithm Roadmap (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Feb- 12	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q2 (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Mar- 12	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities and Summary Report of Review Period 2010/11 (due by February 14) (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Apr- 12	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Monthly Report of contract activities (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
May- 12	<ul style="list-style-type: none"> • Deliver algorithm results as described in Algorithm Roadmap (\$13,000) • Database maintenance and monthly QA report detailing any incremental data loads undertaken (\$18,000) • Submit Quarterly Report of activities undertaken in Q3 and Final Project Report (\$2,000) 	\$29,700.00	\$3,300.00	\$33,000.00
Retainage Statement for May 2012			\$3,300.00	\$3,300.00
Total Service Costs		\$1,425,600.00	\$158,400.00	\$1,584,000.00
Year 1	Travel Expenses for Project Manager Principal 6 trips at \$900 per trip Kick of Meeting 1 day with 3 individuals			\$5,400.00
Year 2	Travel Expenses for Project Manager & Principal 6 trips at \$900 per trip			\$5,400.00
Year 3	Travel Expenses for Project Manager & Principal 6 trips at \$900 per trip			\$5,400.00
Year 4	No Travel Expenses Allotted			
Total Travel Expenses				\$16,200.00
Grand Total Services and Travel Costs				\$1,600,200.00