

Contract



COMED ENERGY DELIVERY

Contract: 01147756
Release : 00001
Executed: 09/30/2014
Printed : 11/18/2014
Page : 1

Mail Invoice To:

Vendor:

NAVIGANT CONSULTING INC
230 HORIZON DR STE 101B
VERONA WI 53593

Please Direct Inquiries to:

Work Location:

JENNA MITCHELL

Title: PROCUREMENT SPECLST

Phone: 630-437-2110

Ext:

Fax :

Title: PY7 EE EVALUATION SERVICES
***** CONTRACT RELEASE *****
** DUPLICATE COPY **

Total Value : \$3,532,500.00 USD

** NOT TO EXCEED **

Pricing Method: NOT TO EXCEED

Contract Type : BLANKET CONTRACT RELEASE

Start Date: 06/01/2014

Project :

End Date : 12/30/2016

Handwritten signature of Jeffrey J. Erickson

Vendor Authorized Signature

Jeffrey J Erickson/ Director

Printed Name/Title

11/20/2014 608-497-2322

Date Signed

Phone

Handwritten signature of Jenna Mitchell

Authorized Signature

Jenna Mitchell / Procurement Specialist

Printed Name/Title

11/18/14 630-437-2110

Date Signed

Phone

Scope of Work

Evaluation, Measurement & Verification

PY7-PY9

Scope of Work

- Primary Evaluation Activities and Deliverables
Verify Net Savings to be applied toward statutory goals each Program Year
Provide evaluation reports on programs and portfolio each Program

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Year

- o Provide technical expertise and data to SAG to support statewide goals
- o Provide technical expertise for evaluation in Regulatory Dockets
- o Conduct technical reviews to update TRM and measures
- o Provide technical expertise to address ad hoc evaluation issues
- " Primary Tasks
- o Evaluation plans
- o Impact Analysis, including verification of cost effectiveness
- o Process Analysis (when included in approved evaluation plan)
- o Reporting
- o TRM Support
- o Ad Hoc Requests, SAG support
- " Incorporation of Final ICC Order
- o Many measures savings, realization rates and NTG ratios have been deemed in some fashion - M&V contractor must understand the relevant deemed values which are identified at the start of the year and apply toward verifying savings.
- o Research values can be determined in the evaluation. If currently not deemed, they can be used in current year evaluation. Typically, research values are to be used for future applications, and can be recommended for use in TRM if appropriate. TRM technical support is expected.
- o In addition to free ridership, spillover should be examined, either through primary or secondary research and be included as part of NTG prospective recommendations
- o Evaluator must make NTG recommendations for use in next Program Year in February prior to Program Year to allow SAG consensus discussions by March 1st.
- " Schedule
- o Program Year ends May 31st. Final tracking data should be available 2-6 weeks afterwards, depending on program.
- o If large number of field audits are to be conducted, a first wave will start with information as of April 1st, and remaining audits during summer will be based on all final projects and first wave selections.
- o Impact Analyses and initial drafts should be targeted for November 1st. Short memos on impact findings should be available as soon as possible beforehand to discuss major issues
- o Following year deemed NTG recommendations should be available by January 1st to SAG.
- " Budget Management
- o Evaluation budget will cover EEPS portfolio, IPA, R&D projects, Ad Hoc requests, and general support of TRM
- o Each year, spending screen analysis will define final annual budget
- o Although goals are cumulative across 3 years, annual budgets will be set as stand-alone budgets. Multi-year activities will be charged at the time they are spent.
- o The R&D project evaluations and Ad Hoc requests are unknown and will need to be held back in an unallocated pool
- " Frequency of Evaluation
- o For the PY7 - PY9 Plan Cycle, Final reconciliation of goals will

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occur in PY9.

" Each Program should have verified savings for each year, but verification can be based deemed values and evaluator judgments for other parameters if not all aspects can be evaluated in a given year

" Major evaluation activities can occur across years within the Plan Cycle.

" Program Requirements

o EEPS Portfolio

" C&I

" Incentive Programs

" Large C&I Pilot

" Optimization Programs

" New Construction

" Midstream Incentives

" Residential

" Residential Lighting (PY7)

" Residential Products (PY8 & PY9)

" Appliance Recycling

" Complete System Replacement

" Multi-family Comprehensive EE

" Energy Education kits

" Direct to Consumer kits

" Single Family Home Performance

" New Construction

o IPA Programs - New programs likely in subsequent bidding years

" Residential

" ComEd Residential Lighting (PY8 & PY9)

" ComEd Home Energy Report

" Cub Energy Saver

" Home Energy Services

" Energy Stewards (PY7)

" Retrofit Chicago Residential

" Small Commercial

" ComEd Small Business Energy Services

" Small Commercial Powerstrip (PY7)

" Small Commercial HVAC Tune-up

" Joint Programs

o Coordinate M&V for joint programs with gas company evaluators.

o Some portion of EM&V budget may need to be set aside to pay gas

company evaluators for work performed on ComEd's behalf

o It is likely evaluator will need contract with gas companies to bill for joint work performed on their behalf

o Implementation utility will also take M&V lead on joint programs, e.g. the electric utility evaluator providing primary evaluation of joint C&I programs and gas utility evaluator taking M&V lead on joint residential programs

o Coordinate responsibilities for lead and secondary evaluator regarding data needs between the utilities, e.g.

" IPA programs

o Evaluation Team must evaluate all IPA programs and verify net savings

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for each year

- o Evaluator will support IPA implementers and explain evaluation process so they can plan accordingly
o Evaluation of IPA programs will be "lighter", since they are not subject to statutory goal requirements.
" R&D Projects
o EM&V budget must cover evaluations of R&D projects, where kWh savings will be counted toward saving's goal
o ComEd is unable to state what projects or even how many projects will be "launched" as part of the R&D process, therefore the M&V contractor will need to set aside funds for this analysis from the 3% -- will not be able to allocate all funds up front; will need to be managed closely, on an on-going basis
" Summary Report
o In addition to individual program reports, a Program Year Summary should provide portfolio level results for verified net savings, peak demand reduction, and cost effectiveness (IL TRC) determination
o Provide summary of IPA programs
o If available, provide summary of DCEO programs with savings from ComEd service territory
" Report Format
o All reports should follow a common template. Reports should be 40-50 pages at most, with a 4-5 page Executive Summary
o Detailed research information and TRM recommendations to be included as Appendices
o Customer site reports to be kept confidential and excluded from public documents
" Meetings
o ComEd encourages open discussions with implementation teams, but ComEd program manager is primary interface with implementation team and needs to be kept in loop
o ComEd may request face to face meeting between evaluator and implementation team to discuss in-depth evaluation issues
" PJM Requirements
o Must build the evaluation requirements for the PJM EE auction into the plan and provide annual support.

Staff Rates Table

Table with 7 columns: Company, Title, 2014, 2015, 2016, 2017, and an unlabeled column. Rows include Navigant Managing Director, Director, Associate Director, Managing Consultant, Senior Consultant, Consultant, Analyst, and Intern/Admin with corresponding numerical values for each year.

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Itron	Administrative Assistant I	71	73	75	77
Itron	Administrative Assistant II	82	85	88	91
Itron	Administrative Services Mgr	143	147	151	156
Itron	Director	245	252	260	268
Itron	Energy Analyst I	117	121	125	129
Itron	Energy Analyst II	128	132	136	140
Itron	Energy Consultant I	159	163	168	173
Itron	Energy Consultant II	174	179	184	190
Itron	Energy Engineer I	148	153	158	163
Itron	Energy Engineer II	169	174	179	184
Itron	Managing Director	308	317	327	337
Itron	Principal Energy Consultant	214	221	228	235
Itron	Sr Energy Analyst I	138	142	146	150
Itron	Sr Energy Consultant I	184	190	196	202
Itron	Sr Energy Consultant II	200	206	212	218
Itron	Sr Energy Engineer I	184	190	196	202
Itron	Sr Energy Engineer II	200	206	212	218
Itron	Sr Principal Energy Consultant	235	242	249	256
Itron	CATI cost per hour	36	37	38	39
Itron	CATI Manager	138	142	146	150
Itron	CATI Supervisor	117	121	125	129
Itron	Senior Administrative Staff	112	116	119	123
Itron	Senior Documents Analyst	134	138	142	146
Itron	Sr Energy Analyst II	148	153	158	163
ODC	Strategic Advisor	268	268	276	284
ODC	Vice President	260	260	268	276
ODC	Director	228	228	235	242
ODC	Senior Project Manager	221	221	228	235
ODC	Project Manager	214	214	220	227
ODC	Senior Analyst	208	208	214	220
ODC	Project Analyst	194	194	200	206
ODC	ODC Operations Staff	121	121	125	129
ODC	ODC Telephone Interviewing Staff	45	54	56	58
Michaels	Senior Consultant	200	200	206	212
Michaels	Professional VIII	182	182	187	193
Michaels	Professional VII	166	166	171	176
Michaels	Professional VI	153	153	158	163
Michaels	Professional V	133	133	137	141
Michaels	Professional IV	126	126	130	134
Michaels	Professional III	120	120	124	128
Michaels	Professional II	113	113	116	119
Michaels	Professional I	106	106	109	112
Michaels	Technical II	86	86	89	92
Michaels	Engineering & Executive Assistant	72	72	74	76

* * * End of Contract * * *