EPA

United States Environmental Protection Agency
Washington, DC 20460

Work Assignment

Work Assignment Number: 1-18

☐ Other ☐ Amendment Number:

Contract Number	Contract Period	Title of Work Assignment/SF Site Name
EP-D-14-032	09/16/2014 To 09/15/2019 Base Option Period Number 1	USEPA Santiago Megacity Partn.

Contractor: INDUSTRIAL ECONOMICS, INCORPORATED

Specify Section and paragraph of Contract SOW: 1,10,12

Purpose:
- [X] Work Assignment
- [ ] Work Assignment Amendment
- [X] Work Plan Approval
- [ ] Work Assignment Close-Out
- [ ] Incremental Funding

Period of Performance: From 09/16/2015 To 09/15/2016

Comments:
The work plan and cost estimate dated 8/18/2016 have been received, reviewed, and are hereby approved (with noted edits in workplan-see attachment, Accra s/b changed to Santiago) for 136 hours and $13,342.65. No previously performed work shall be duplicated.

☐ Superfund — Accounting and Appropriations Data — [X] Non-Superfund

Note: To report additional accounting and appropriations date use EPA Form 1900-69A.

SFO (Max 2) ☐

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code
1										
2										
3										
4										
5										

Authorized Work Assignment Ceiling

	Cost/Fee	LOE
Contract Period: 09/16/2014 To 09/15/2019	$0.00	0
This Action:	$13,342.65	136
Total:	$13,342.65	136

Work Plan / Cost Estimate Approvals

	Cost/Fee	LOE
Contractor WP Dated: 08/18/2016	$13,342.65	136
Cumulative Approved:	$13,342.65	136

Work Assignment Manager Name: Paul Almodovar (Signature) (Date)	Branch/Mail Code: Phone Number: 919-541-0283 FAX Number:	
Project Officer Name: Carolyn Blake (Signature) (Date)	Branch/Mail Code: Phone Number: 919-541-5256 FAX Number:	
Other Agency Official Name (Signature) (Date)	Branch/Mail Code: Phone Number: FAX Number:	
Contracting Official Name: Natalia Fisher-Jackson NATALIA FISHER-JACKSON Digitally signed by NATALIA FISHER-JACKSON DN: c=US, o=U.S. Government, ou=USEPA, ou=Staff, cn=NATALIA FISHER-JACKSON, dnQualifier=0000016076 Date: 2016.09.15 16:44:43 -04'00' (Signature) (Date)	Branch/Mail Code: Phone Number: 919-541-3564 FAX Number:	

Under Task 2, IEc will conduct a comprehensive review of relevant data, documents and reports that describe or characterize:

- current air quality conditions in Chile and specifically in and around Santiago;
- regulatory structures for developing and implementing air pollution-related policies
- ongoing or planned efforts at pollution control in these areas;
- infrastructure and capacity for monitoring air quality and assessing air quality changes, as well as gaps in both available data and analytical capacity; and
- current or planned climate or energy-related projects that would be expected to affect air quality in the future.

IEc will conduct searches of both peer-reviewed and gray literature, current air quality models, regulatory reports, local planning documents, and reports from the World Bank and other relevant organizations. The search would include Global Burden of Disease reports; Climate and Clean Air Coalition initiatives or action plans; and results from past applications of the GEOS-Chem Adjoint model, the SEI LEAP model, and BenMAP-CE. IEc will develop a first draft of a report summarizing these initial information collection and review activities and our preliminary conclusions regarding air quality conditions and challenges in Accra.

Once IEc has identified the key air quality challenges in Santiago, IEc will initiate research to identify best practices for pollution control (both in terms of technology and policy options) that have been implemented in South America. In compiling this list of best practices, IEc will consider the following criteria for each approach:

- Addresses a diverse range of air quality challenges, and has potential for climate co-benefits;
- Could reasonably be applied to local air quality challenges;
- Addresses key sources relevant to Accra and/or the Accra region and includes best available technologies for controlling air pollution from these sources;
- Has documented information and data on how application of the practice occurred, barriers to implementation, and cost benefit information to the extent available;
- Covers a range of mitigation measures, including policies (regulations, permits, emission standards, etc.), economic incentive-based systems (e.g., car buybacks), use of technology, monitoring, etc.; and
- Involves the development of or response to a policy, program, plan, or monitoring and assessment program, including potential financing mechanisms that might be available.

By the end of this work assignment, IEc expects to compile and submit to EPA an initial list of potential policies identified in our initial research effort for further evaluation.

Deliverables under Task #2
2a First Draft of Information Collection Review Report
2b Initial List of Potential Best Practices Policies

4.0 QA REQUIREMENTS

The IEc team will identify or include references of where to find the quality assurance criteria that will be applied to the data used in this work assignment. The implemented quality assurance procedures, data sources (and data acquisition date), explanation of the appropriateness of the data for the intended use and other pertinent data qualifications will be stipulated in all deliverables produced via this work assignment.

5.0 REPORTING REQUIREMENTS

IEc will submit a detailed cost estimate within twenty calendar days of the effective date of this work assignment, as required by the contract. The estimated cost will include direct labor, overhead, consultant and subcontractor fee, other direct costs including travel, and estimated total fee.

IEc will also provide monthly progress reports in accordance with the terms of the contract.

IEc will submit work products in electronic as well as hard copy form, where requested. In addition, IEc will deliver to the WAM each draft and final report in electronic format that is readable by windows-based wordprocessing (Microsoft Word 2003), graphics (Microsoft PowerPoint 2003), spreadsheet (Excel 2003), and database (Access 2003) programs. Upon request, IEc will also provide electronic copies of reports in PDF format.

During the period of performance of this contract, the IEc project manager or designee will inform the WAM immediately (by telephone and email) of any problem(s) that may impede performance, as well as corrective actions needed from IEc and the EPA to resolve the problem(s).

6.0 DELIVERABLES AND SCHEDULE

We provide our proposed deliverables schedule below.

TASK	DESCRIPTION	DELIVERABLE DATE
1a	Kick-off Meeting with EPA	Within 14 days of WA effective date
1b	Kick-off Teleconference with EPA and local partners	Per technical direction
1c	Work Plan/Cost Estimate	Completed
2a	First Draft of Information Collection Review Report	September 15, 2016
2b	Initial List of Potential Best Practices Policies	September 15, 2016

IEc personnel will at all times identify themselves as contractor employees and will not present themselves as EPA employees. Furthermore, they will not represent the view of the U.S. Government, EPA, or its employees. In addition, IEc will not engage in

inherently governmental activities, including but not limited to actual determination of EPA policy and preparation of documents on EPA letterhead.

Any potential action items involving contractors will only be pursued under this Work Assignment if such actions are within the scope of work of this Work Assignment and only if any required Technical Direction is issued by the EPA WAM. We anticipate that all Technical Direction issued by the EPA WAM will be documented in writing and forwarded to IEc within the time period specified by the contract.

PROPOSAL COVER SHEET

(Cost or Pricing Data Not Required)

1. SOLICITATION/CONTRACT/MODIFICATION: EP-D-14-032

Form Approved OMB No 9000-0013 Expires 9/30/98

Public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariats (VRS), Office of Federal Acquisition Policy, GSA, Washington, DC 20406.

2a. NAME OF OFFEROR: Industrial Economics, Incorporated	3a. NAME AND TITLE OF OFFEROR'S POINT OF CONTACT: Henry A. Roman	3c. TELEPHONE NO.	
2b. FIRST LINE ADDRESS: 2067 Massachusetts Avenue	3b. TITLE OF OFFEROR'S POINT OF CONTACT: Principal	AREA CODE: 617	NUMBER: 354-0074
2c. STREET ADDRESS			
2d. CITY: Cambridge	2e. STATE: Massachusetts	2f. ZIP CODE: 02140	

4. TYPE OF CONTRACT ACTION (Check)

	A. NEW CONTRACT		D. LETTER CONTRACT
	B. CHANGE ORDER		E. UNPRICED ORDER
	C. PRICE REVISION REDETERMINATION	X	F. OTHER (Specify) Work Assignment 1-18

TYPE OF CONTRACT (Check)
[ ] FFP [X] CPFF [ ] CPIF [ ] CPAF
[ ] FPI [ ]

6. PERFORMANCE

a. Cambridge, Massachusetts		a. 25-Jul-16 15-Sep-16
b.		b.
c.		c.

7. List and reference the identification, quantity and total price proposed for each contract line item. (Continue on reverse, if necessary. Use same headings).

a. LINE ITEM NO.	b. IDENTIFICATION	c. QUANTITY/HRS	d. TOTAL PRICE	e. PROP. REF PAGE
	Work Assignment 1-18	136.0	$13,342.65	

8. PROVIDE THE FOLLOWING (if available)

NAME OF CONTRACT ADMINISTRATION OFFICE: Industrial Economics, Incorporated			NAME OF AUDIT OFFICE: Defense Contract Audit Agency		
STREET ADDRESS: 2067 Massachusetts Avenue			STREET ADDRESS: 495 Summer Street, Suite 336		
CITY: Cambridge	STATE: MA	ZIP CODE: 02140	CITY: Boston	STATE: MA	ZIP CODE: 02210-2192
TELEPHONE	AREA CODE: 617	NUMBER: 354-0074	TELEPHONE	AREA CODE: 617	NUMBER: 753-3777

This proposal is submitted in response to the solicitation, contract, modification, etc. in Item 1. By submitting this proposal, the offeror, if selected for discussions, grants the contracting officer or an authorized representative the right to examine, at any time before award, any of those books, records, documents, or other records directly pertinent to the information requested or submitted. See instructions on Table 15-3

9a. NAME OF OFFEROR (Typed): Henry A. Roman	10. NAME OF FIRM: Industrial Economics, Incorporated
9b. TITLE OF OFFEROR (Typed): Principal	
11. SIGNATURE	12. DATE OF SUBMISSION: 19-Aug-2016

STANDARD FORM 1448 (10-95)
Prescribed by GSA - FAR (48 CFR) 53 215-2(a)