



**Professional Services Agreement  
CITY OF AUSTIN  
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.:** 16  
**AGENDA DATE:** Thu 03/10/2005  
**PAGE:** 1 of 8

**SUBJECT:** Authorize negotiation and execution of a professional services agreement with the following five firms: MECHANICAL & MATERIALS (M&M) ENGINEERING, LLC, Austin, TX; STRUCTURAL INTEGRITY ASSOCIATES, INC., Austin, TX; REINHART & ASSOCIATES, INC., Austin, TX; THIELSCH ENGINEERING, INC., Austin, TX; and APTECH ENGINEERING SERVICES, INC., Houston, TX, for identification of necessary examinations, engineering analysis, inspections, laboratory testing, fatigue analysis, sampling, interpretations, reports and recommendations for the Identification and Analysis of Flaws in Power Plant Components Rotation List, for an estimated period of three years or until available funding authorization is expended, in an amount not to exceed \$3,000,000, with the total amount of the five agreements not to exceed \$3,000,000 (estimated approximately \$1,000,000 for each of the top two ranked firms and \$333,000 for each of the next three ranked firms).

**AMOUNT & SOURCE OF FUNDING:** Funding in the amount of \$500,000 is available in the Fiscal Year 2004-2005 Amended Operating Budget of Austin Energy. The remaining 30 months of the original contract period is contingent upon available funding in future budgets.

**FISCAL NOTE:** There is no unanticipated fiscal impact. A fiscal note is not required.

**REQUESTING** Public Works  
**DEPARTMENT:** for Austin Energy;

**DIRECTOR'S**  
**AUTHORIZATION:** Sondra Creighton

**FOR MORE INFORMATION CONTACT:** Angelo Polykrates, 322-6230; Felix Benavides, 974-7027; Laura Bohl, 974-7064

**PRIOR COUNCIL ACTION:** N/A

**BOARD AND COMMISSION ACTION:** Recommended by the Electric Utility Commission.

**PURCHASING:** All five firms that submitted qualification statements are recommended.

**MBE / WBE:** 16.5% MBE and 14.2% WBE subconsultant participation.

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Austin Energy owns and operates three (3) power plants, several distributed generation and thermal energy facilities in and near Austin. The power plants consist of a total of six (6) steam units, eight (8) simple cycle gas turbines and one (1) combined cycle unit. The adopted Generation Reliability Improvement Program (GRIP) is a primary driver for non-destructive testing. This program has provided recommendations for inspection, testing and analysis, in addition to those services routinely performed for the maintenance of Austin Energy's Power Generation and Thermal Energy Facilities.

The City issued a similar Request for Qualifications (RFQ) in March 2000. On August 17, 2000, Council authorized the selection of two (2) firms and professional services agreements were executed under the total authority of \$1,200,000. This authorization replaces the previous contracts that have expended their authorization.

Projects will include, but are not limited to, boilers and components piping systems, various rotating equipment with the objective of upgrading overall safety and reliability of plant operations. Projects will be released over the life of the contract and it is possible that a number of projects will be in progress



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concurrently. The work provided for under these agreements will include projects of various scopes and sizes. Assignments and contract amounts will be distributed to each firm on the basis of the firm's qualifications and availability of expertise at the time of the assignment, the firm's demonstrated responsiveness, and maximum cumulative contract amount.

This request allows for the development of a professional service agreement with each of the recommended firms. Should the City be unsuccessful in negotiating a satisfactory agreement with any of the recommended firms, negotiations will cease with that firm and funding will be distributed among the remaining firms.

Participation goals stated in the solicitation were 16.5% MBE and 14.2% WBE. The recommended firms provided M/WBE Compliance Plans that met the goals of the solicitation and were approved by the Department of Small and Minority Business Resources.

Notification of issuance of an RFQ for the subject services was sent to one hundred seventeen (117) firms on November 16, 2004. The RFQ was obtained by fourteen (14) firms, and five (5) firms submitted qualification statements. Evaluation of the five (5) firms results in the following recommendation:



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**RECOMMENDED FIRM:** MECHANICAL & MATERIALS (M&M) ENGINEERING, LLC – Total Participation:

**NON M/WBE TOTAL – PRIME** **69.30%**  
Mechanical & Materials (M&M) Engineering, Austin, TX

**MBE TOTAL – SUBCONSULTANTS** **16.50%**

**African American Subtotal**

(FB) All Points Inspection Services, Inc., Austin, TX (construction photography, inspection)

(MB) HVJ Associates, Inc., Austin, TX (laboratory & field testing)

(MB) Triad Building Maintenance, Austin, TX (garbage/trash removal & disposal)

**Hispanic Subtotal**

(MH) Aus Tex Sandblasting and Coating, Inc., Austin, TX (sandblasting for piping, vessels, turbines, boilers auxiliary equipment)

(MH) Benitez Construction, Inc., Manor, TX (steel tubing & supplies)

(MH) Canales, Martinez & Nash Surveying, Austin, TX (construction photography)

(FH) Central Texas Barricade, Inc., Bastrop, TX (barricade services & supplies)

(MH) Hot Rod Mechanical, Inc., Austin, TX (welding services & supplies)

(MH) MDA Insulation, Inc., Odessa, TX (removal of insulation/asbestos insulation, installation of insulation from piping and/or vessels)

(MH) Optimum Steel Industries, Kyle, TX (fabricated steel, steel tubing and supplies)

(FH) Personnel Store, Austin, TX (employment services)

(FH) Power Quality Engineering, Inc., Leander, TX (mechanical engineering, consulting, testing)

(MH) Stafflinks, Austin, TX (employment services)

(FH) Sumaj, Austin, TX (employment services)

(FH) White Photographic Services, Dripping Springs, TX (construction photography)

**Asian American Subtotal**

(MA) Integrated Testing & Engineering Co., Austin, TX (laboratory & field testing)

**WBE TOTAL – SUBCONSULTANTS** **14.20%**

(FR) Baer Engineering and Environmental Consulting, Inc., Austin, TX  
(asbestos air monitoring, lead monitoring)

(FR) Diva Imaging, Austin, TX (construction photography)

(FR) H&G Inspection Co., Inc., Houston, TX (radiograph, dye penetrant, magnetic particle, ultrasonic examination)

(FR) PK&L Construction, Inc., Austin, TX (mechanical contracting support & services, code welding, welding repairs)

(FR) Waugh Engineering, Inc., Austin, TX (mechanical engineering, consulting services)



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**RECOMMENDED FIRM:** MECHANICAL & MATERIALS (M&M) ENGINEERING, LLC – Total Participation:

**NON M/WBE TOTAL – SUBCONSULTANTS** **UNKNOWN%**

BEVCO, Houston, TX (supply piping, tubing, sandblasting beads, welding rods, grinding discs, insulation)

Austin Sales & Scaffold, Austin, TX (erections & teardown scaffolding for piping, vessels, boilers)

Cilauro Lambert LLC, Austin, TX (nondestructive & field engineering)

Hi-Tech Testing Services, Inc., Longview, TX (ultrasonic examination, radiography, magnetic particle, dye penetrant, visual testing near drum corrosion, in situ alloy analyzer)

Parker Engineering, LLC, Round Rock, TX (structural engineering analysis for construction & repair, civil engineering support)

Sierra Contracting Corp., Austin, TX (removal of insulation/asbestos insulation from piping and/or vessels)

TexBlast Sandblasting Company, Temple, TX (sandblasting services for piping, vessels, turbines & boilers auxiliary equipment)

TriTool, Inc., Dallas, TX (on-site machining of piping, vessel, turbine & boiler auxiliary equipment)

United Scaffolding, Burleson, TX (erecting & teardown of scaffolding for piping, vessels & boilers)



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**RECOMMENDED FIRM: STRUCTURAL INTEGRITY ASSOCIATES, INC., AUSTIN, TX-  
Total Participation:**

**NON M/WBE TOTAL – PRIME 69.30%  
Structural Integrity Associates, Inc., Austin, TX**

**MBE TOTAL – SUBCONSULTANTS 16.50%**

**Hispanic Subtotal**

(MH) MDA Insulation, Inc., Odessa, TX (pipe & tubing insulation)

(MH) Aus-Tex Sandblasting, Austin, TX (sandblasting)

**WBE TOTAL – SUBCONSULTANTS 14.20%**

(FR) PK&L Construction, Inc., Austin, TX (welding maintenance & repair)

(FH) Ruiz Testing Services, Inc., San Antonio, TX (radiographic examination –  
inspection/examination, nondestructive ultrasonic testing, dye penetrant testing,  
radiography)

**NON M/WBE TOTAL – SUBCONSULTANTS UNKNOWN%**

Austin Sales & Scaffold, Austin, TX (scaffolding)

Cilauro Lambert, LLC, Austin, TX (inspection/examination; nondestructive - ultrasonic testing, dye  
penetrant testing)



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**RECOMMENDED FIRM: REINHART & ASSOCIATES, INC., AUSTIN, TX – Total Participation:**

**NON M/WBE TOTAL – PRIME 69.30%**  
Reinhart & Associates, Inc., Austin, TX ,

**MBE TOTAL – SUBCONSULTANTS 16.50%**

**African American Subtotal**  
(MB)

C3S, Inc., Houston, TX (testing, laboratory & field)

**Hispanic Subtotal**

- (MH) Jose I. Guerra, Inc., Austin, TX (mechanical engineering)
- (MH) Madero Engineering Consultants Corp., Austin, TX (mechanical engineering)
- (MH) MDA Insulation, Inc., Odessa, TX (industrial insulation & scaffold services)
- (MH) Omni Environmental, Austin, TX (laboratory analysis, testing asbestos abatement samples)

**Asian American Subtotal**

- (MA) Behram Consulting Engineers, Inc., Austin, TX (mechanical engineering)
- (MA) C.I.E. Management Services, Austin, TX (garbage/trash removal & disposal)
- (MA) Encotech Engineering Consultants, Inc., Austin, TX (mechanical engineering)

**WBE TOTAL – SUBCONSULTANTS 14.20%**

- (FR) Baer Engineering & Environmental Consulting, Inc., Austin, TX (asbestos maintenance, repair & removal, environmental engineering & consulting)
- (FR) Holt Engineering, Inc., Austin, TX (laboratory & field testing)
- (FR) H&G Services, Inc., Houston, TX (laboratory & field testing)
- (FR) Quality Welding & Fabrication, New Braunfels, TX (welding)
- (FH) Ruiz Testing Services, San Antonio, TX (laboratory & field testing, non-destructive testing)
- (FR) Safety Supply, Inc., San Antonio, TX (barricades, traffic, portable)
- (FR) Waugh Engineering, Inc., Austin, TX (mechanical engineering)

**NON M/WBE TOTAL – SUBCONSULTANTS UNKNOWN %**

- Alstom Power, Inc., Chattanooga, TN (mechanical engineering, laboratory & field testing, non-destructive engineering & lifetime analysis on piping & boilers, metallurgy)
- Altran Corporation, Boston, MA (mechanical engineering, laboratory & field testing, non-destructive engineering, flow accelerated corrosion analysis, boiler engineering, metallurgy)
- Anderson Laboratories, Inc., Greendale, WI (mechanical engineering, laboratory & field testing material testing, failure analysis of power plant components)
- J.H. Mechanical, Austin, TX (welding)
- Tex Blast Sandblasting, Temple, TX (power plant component maintenance, blast cleaning)
- Edward L. Hail & Assoc., Inc., Houston, TX (laboratory & field testing, non-destructive engineering, metallographic analysis)
- Advanced Consulting Engineers, Inc., Austin, TX (civil engineering)



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**RECOMMENDED FIRM: THIELSCH ENGINEERING, INC., AUSTIN, TX – Total Participation:**

**NON M/WBE TOTAL – PRIME 69.30%**  
Thielsch Engineering, Inc., Austin, TX

**MBE TOTAL – SUBCONSULTANTS 16.50%**

**Hispanic Subtotal**  
(MH) MDA Insulation, Odessa, TX (insulation)

**WBE TOTAL – SUBCONSULTANTS 14.20%**  
(FB) All Points Inspection Services, Inc., Austin, TX (inspection)  
(FH) Ruiz Testing Services, Inc., Austin, TX (inspection, nondestructive testing)

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**RECOMMENDED FIRM:** APTECH ENGINEERING SERVICES, INC., HOUSTON, TX --  
Total Participation:

**NON M/WBE TOTAL – PRIME** **69.30%**  
Aptech Engineering Services, Inc., Houston, TX

**MBE TOTAL – SUBCONSULTANTS** **16.50%**

**African American Subtotal**  
(MB) ASD Consultants, Austin, TX (inspection)

**Hispanic Subtotal**  
(MH) Hot Rod Mechanical, Austin, TX (welding)  
(MH) Omni Environmental, Austin, TX (laboratory analysis, testing of asbestos samples)

**Asian American Subtotal**  
(MA) Behram Consulting Engineers, Austin, TX (mechanical engineering)

**WBE TOTAL – SUBCONSULTANTS** **14.20%**  
(FB) All Points Inspection Services, Austin, TX (inspection)  
(FR) Baer Engineering & Environmental Consulting, Austin, TX (asbestos maintenance repair and removal)  
(FR) PK&L Construction, Inc., Austin, TX (welding)

**NON M/WBE TOTAL – SUBCONSULTANTS** **UNKNOWN%**  
N-Spec Quality Services, Corpus Christi, TX (non-destructive testing)  
Tex Blast Sandblasting, Temple, TX (sandblasting)





**Electric Utility Commission  
February 28, 2005  
Meeting**

Authorize negotiation and execution of a professional services agreement with the following five firms: MECHANICAL & MATERIALS (M&M) ENGINEERING, LLC; STRUCTURAL INTEGRITY ASSOCIATES, INC.; REINHART & ASSOCIATES, INC.; THIELSCH ENGINEERING, INC.; and APTECH ENGINEERING SERVICES, INC., for identification of necessary examinations, engineering analysis, inspections, laboratory testing, fatigue analysis, sampling, interpretations, reports and recommendations for the Identification and Analysis of Flaws in Power Plant Components Rotation List, for an estimated period of three years or until available funding authorization is expended, in an amount not to exceed \$3,000,000, with the total amount of the five agreements not to exceed \$3,000,000 (estimated approximately \$1,000,000 for each of the top two ranked firms and \$333,000 for each of the next three ranked firms).

**Motion by: Fath**

**Seconded by: LeGette**

**Ayes: Fath, LeGette, Owens, Skeith, Shaw and Weston**

**Nays: NONE**

**Abstaining: NONE**

**Off the dais: NONE**

**Absent: Carr and Fernandez**

**The motion passed on a 6 – 0 vote.**

**Public Works Department  
Evaluation of Consultant Qualifications**

Composite

Received:

December 15, 2004

Project:

Identification & Analysis of Flaws In Power Plant Components  
Rotation List**EVALUATION MATRIX**

Project Manager:

Angelo Polykralos

Firm (or Joint Venture)	Item 1 Y=Yes N=No Affiliate	Item 2 Y=Yes N=No MWBE Goals met or G.F.E.	Item 3 Y=Yes N=No Prime Firm's EEO Program	Item 4 [24] Experience of Project Manager (16) Principal (6)	Item 5 [16] Experience and Availability of Proposed Staff	Item 6 [16 w/subs] [30 w/o subs] Prime Firm's Comparable Project Experience	Item 7 [15 w/subs] [6 w/o subs] Subconsultant Firm's Comparable Project Experience	Item 8 [9] Team's Experience with Austin Issues	Item 9 [12] Team's Structure and Project Approach	Item 10 [11] COA Experience with Prime	[100] SUB TOTAL	[25] Optional Interview	[125] TOTAL POINTS
Mechanical & Materials (M&M) Engineering, LLC	Y	Y	Y	22.2	13.4	14.6	10.6	7.2	10.8	11.0	89.8		89.8
Structural Integrity Assoc.	Y	Y	Y	21.2	13.0	16.8	7.6	6.4	10.0	11.0	86.0		86.0
Reinhart & Associates, Inc.	Y	Y	Y	20.0	11.2	12.4	8.2	7.4	8.6	11.0	78.8		78.8
Thielsen Engineering, Inc.	Y	Y	Y	18.4	11.4	15.0	8.4	5.8	8.4	11.0	78.4		78.4
Aptech Engineering Services, Inc.	Y	Y	Y	19.2	11.0	12.8	9.6	5.0	8.4	11.0	77.0		77.0