

RESOLUTION NO.:

2018-R52

SPONSOR:

MAYOR NEUGEBAUER

INTRODUCED:

JUNE 12, 2018

ASSIGNED TO: PUB. SAFETY

A RESOLUTION AUTHORIZING THE CITY OF GREEN TO ENTER INTO A CONTRACT WITH RCP, INC. FOR PROFESSIONAL ENGINEERING SERVICES AS RELATED TO PIPELINE SAFETY CONSTRUCTION OVERSIGHT FOR THE NEXUS PIPELINE WITHIN THE CITY OF GREEN, AND DECLARING AN EMERGENCY.

WHEREAS, the City seeks to contract with a professional engineering services firm in the pipeline industry to provide oversight of the Nexus Pipeline within the City of Green per the City's settlement agreement with Nexus; and

WHEREAS, with the passage of Ordinance 2018-03 on March 27, 2018, approving a special revenue fund for the \$7.5 million received through the settlement to use these funds for the purposes of implementing and enforcing these terms of the settlement agreement, the City Council may authorize RCP to conduct this pipeline oversight work; and

WHEREAS, RCP will be hired to review design and construction records, inspect work in progress and report on the quality, compliance and concerns related to the pipeline construction in the City of Green; and

WHEREAS, RCP is a registered professional engineering consulting firm that specializes in asset integrity, risk management, regulatory compliance services and web-based assessment tools for pipelines and pipeline related assets; and

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF GREEN, COUNTY OF SUMMIT, AND STATE OF OHIO THAT:

SECTION ONE:

The Mayor is hereby authorized and directed to enter into a contract between the City of Green and RCP, INC. for pipeline safety construction oversight services, in an amount not to exceed Forty-Nine Thousand Five Hundred Dollars (\$49,500.00), as is more fully set forth in the proposal attached hereto and incorporated herein as Exhibit "A".

SECTION TWO:

City Council authorizes the Finance Director to make payment to RCP, INC. for services provided through the established purchase order process. These expenses will be paid from the Nexus Settlement monies the City received.

SECTION THREE:

The City of Green finds and determines that all formal actions of this Council concerning and relating to the adoption of this Resolution were taken in open meetings of this Council and any deliberations of this Council and any of its committees that resulted in those formal actions were in meetings open to the public, in compliance with all legal requirements.

SECTION FOUR:

Council declares this to be an emergency immediately necessary for the preservation of the public peace, health, safety and welfare of the citizens of Green and for the further reason that this project may move forward immediately. Provided that this legislation receives the affirmative vote of three-fourths ($\frac{3}{4}$ ths) of the members elected or appointed to Council, it shall take effect and be in force immediately upon its passage and approval by the Mayor; otherwise, it shall take effect and be in force at the earliest time allowed by law.

ADOPTED: June 12, 2018

Nichole Baldinger
Nichole Baldinger, Clerk of Council, Interim

Chris Humphrey
Chris Humphrey, Council President

APPROVED: June 12, 2018

Gerard M. Neugebauer
Gerard M. Neugebauer, Mayor

ENACTED EFFECTIVE: June 12, 2018

ON ROLL CALL: Babbitt Aye Dyer Aye Humphrey Aye Shaughnessy Aye
Speight Aye Yeargin Aye Young Aye Adopted 7-0

Suburbanite publication on June 15 and 22, 2018

Nichole Baldinger
Nichole Baldinger, Clerk of Council, Interim

William G. Chris



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June 6, 2018

EXHIBIT "A"
2018-R52

Valerie Wolford
Communications Manager
City of Green, Ohio

Via email: communications@cityofgreen.org

Dear Ms. Wolford,

RCP is pleased to present our proposal to assist the City of Green with pipeline safety construction oversight of the proposed NEXUS Pipeline in Ohio.

We look forward to the opportunity to work with you. Please call me if you have questions or if you would like to plan the next step. My direct number is (832) 255-7809.

Best Regards,

Jessica Foley

Jessica Foley
Vice President

JKF/dlw

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The City of Green Pipeline Construction Oversight

Introduction

The City of Green, Ohio is seeking assistance from RCP to provide pipeline safety construction oversight for the NEXUS pipeline for the 8 miles of pipeline laid within the city limits.

Scope of Work

Document Review & Construction Records Validation

RCP will review the following list of design and construction records, as applicable.

- Design Specification Records
 - i. Materials (steel properties, coatings, valves, compressors, overpressure protection, ROW, cathodic protection)
 - ii. Welding and Non-Destructive Testing procedures
 - iii. MAOP determination (based upon class location)
 - iv. Maps / Records (alignment sheets, class locations, High Consequence Area's / Identified Sites, road and other facility crossings)
 - v. Pressure test procedures
 - vi. Cathodic protection design
- Construction Records
 - i. Weld procedure qualifications
 - ii. Welder qualifications to qualified procedures (API 1104 or Boiler & Vessel Code IX)
 - iii. Non-Destructive Test records / reports
 - iv. Daily construction and inspector reports
 - v. Pressure tests charts, forms, reports, etc.
 - vi. Maps, as-built alignment sheets, GIS data
 - i. Deliverables will include weekly reports of status and concerns as well as a final report that includes the code requirements cross-referenced with the design and construction records made available.

On-Site Access (if allowed)

RCP will inspect work in progress and report/comment on quality, compliance and concerns as appropriate. RCP will also participate in weekly status meetings between Nexus and the City of Green.



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Staffing

RCP proposes Mr. Larry Decker, P.E. to be the project manager for this oversight project. A Statement of Qualification for Mr. Decker has been included at the end of this proposal.

Mr. Decker has over 43 years of experience in engineering and construction management, engineering design, project implementation, project management, pipeline integrity, operations, and operations management. He has been responsible for asset design, construction, right-of-way acquisition and pipeline integrity management. His leadership roles as Engineering Director, Operations Manager, Project Manager, and District Engineer have proven him a stellar performer.

Schedule

Representatives from the owners of the NEXUS Pipeline have estimated that the work within the city limits of Green will take 5-6 weeks to complete. RCP plans to assist during this period, as directed by the City of Green.



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Price

RCP will perform the scope of work described herein on a time and materials basis. Larry Decker's billing rate is \$225/hour. Based upon the schedule of 6 weeks, RCP would estimate that Mr. Decker would spend approximately 30 hours per week, including travel time to and from the City of Green.

Project Element Description	T&M Budgetary Estimates
Document Review & Construction Records Validation	\$40,500
Expenses	\$9,000

General Assumptions

This proposal is based upon the following general assumptions (some exceptions may apply):

1. All work is assumed to be performed under RCP's Consulting Services Agreement upon approval to proceed.
2. The project will be billed in stages each month as time and material expenses are accrued.
3. Payment in full for services is due within thirty (30) days of the date of RCP's invoice.
4. This proposal is valid for 20 days from the date of submittal.
5. Sales tax, if applicable, will be added to the costs shown above.

Independent Professional Opinions

RCP is a professional engineering firm, and, to the extent that any deliverable requires RCP to express a professional opinion, RCP's professional opinion(s) are not preordained, and are based on the information, data, and assumptions set forth in such deliverable and the laws, regulations, and industry practices in effect on the date of such deliverable. While RCP will review findings and professional opinions with the client prior to issuing a final deliverable, as applicable, and will consider additional information provided by the client, any professional opinions of RCP are independent of the client, and are not subject to the control of the client.



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RCP Rate Sheet (Effective January 2, 2018)

Description	Rate (\$/Hr)	Description	Rate (\$/Hr)
Firm Principal I	350	Expert Witness	Varies
Executive Consultant III	300	Regulatory Consultant III	85
Executive Consultant II	225	Regulatory Consultant II	75
Executive Consultant I	185	Regulatory Consultant I	65
Project Manager III	175	Project Engineer III	125
Project Manager II	155	Project Engineer II	105
Project Manager I	135	Project Engineer I	85
Sr. Advisor III	175	GIS Specialist III	100
Sr. Advisor II	165	GIS Specialist II	85
Sr. Advisor I	155	GIS Specialist I	70
Sr. Staff Consultant III	145	Technical Writer III	115
Sr. Staff Consultant II	135	Technical Writer II	95
Sr. Staff Consultant I	125	Technical Writer I	75
Sr. Regulatory Consultant III	115	Administrative / Clerical III	55
Sr. Regulatory Consultant II	105	Administrative / Clerical II	45
Sr. Regulatory Consultant I	95	Administrative / Clerical I	35

Overtime

Overtime billing rates equal to 1.5 times standard rates listed above shall apply to hours over 40 hours per week, weekends, and all hours worked on the following holidays: New Years' Day, Presidents' Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving, Christmas Eve, Christmas Day, New Year's Eve.

Travel, Expenses, Materials

These will be charged to the client when used in development of work products during a time and materials project and a lump sum plus expenses project.

Passenger Cars	Current IRS Rate
Incoming and outgoing faxes	\$1.00 per page
Black and white copies	\$0.10 per page
Color copies/prints	\$0.75 per page
Notebooks, tabs, dividers, and other materials incorporated into work products	Cost plus 10%
WebEx Meetings	Cost plus 10%
Travel expenses (airfare, taxi, rental car, hotels, meals [including expenses subject to deductibility limits for client under 26 USC 274(n)], etc.)	Cost plus 10%



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RCP's DOT Pipeline Experience

RCP has provided consulting services to the energy pipeline industry since 1995, serving more than 100 pipeline operators and all the major pipeline industry associations in North America. RCP's personnel and their work are well known and respected at the headquarters level and throughout all regions of the federal Pipelines and Hazardous Safety Administration, and within the applicable state agencies. RCP's DOT Pipeline Compliance Newsletter is received by more than 7,000 industry and agency personnel each month, and is widely acknowledged as an excellent source of information for DOT pipeline compliance developments. RCP's subject matter experts are routinely called upon to make presentations on pipeline issues for industry conferences throughout The Americas. When it comes to regulatory compliance and risk management issues, RCP truly is the pipeline industry expert. These skills and capabilities help make RCP a trusted partner to the companies and organizations we serve.

- Completing MAOP calculations for more than 100,000 miles of transmission pipeline
- Validating over 100 pressure tests and up-rate studies using our comprehensive hydrostatic test model that gathers and evaluates test pressure, temperature, and volumetric data.
- Developing more than 100 Pipeline Integrity Management Programs for companies ranging from small private operating companies and industrial facilities to companies operating some of the largest pipeline networks in the US.
- Providing Integrity Management implementation assistance including risk assessment and ranking, initial integrity assessments, and identification of mitigation measures to minimize risks to people, property, and the environment.
- Conducting Pipeline DOT Regulatory seminars for dozens of pipeline operating companies, addressing all aspects of Federal and State regulations and incorporating numerous real-world pipeline situations.
- Developing comprehensive DOT Pipeline Compliance Programs for numerous gas and liquid pipeline gathering, transmission, and distribution companies, including refineries and oil and gas production operators.
- Performing jurisdictional determinations for production, gathering, and refining / chemical pipeline system operators.
- Developing more than 150 Pipeline-Specific Operations Manuals (PSOMs) for individual pipeline systems.
- Completing dozens of new Control Room Management plans for both liquid and gas companies.
- Performing numerous pipeline safety compliance audits, integrated inspection audits and audits specifically related to due-diligence prior to purchase.
- Developing regulations reference manuals, addressing all types of regulatory requirements (air, water, waste, natural resources, safety, etc.) for energy pipeline facilities throughout the U.S.
- Providing on-site regulatory staffing with experienced professionals.
- Participating and aiding numerous industry organizations and their committees.



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RCP Client List

RCP provides expert environmental, security and regulatory support to many Refineries, Chemical Plants, Electric Utilities, Pipeline Companies, Industry Associations and agencies including:

Air Liquide	ENI	Pacific Gas & Electric
Alyeska	Enterprise Products	PBF Energy
Ameren	Enstor	Phillips 66
American Midstream	EnVen	Placid Refining
API/AOPL	EOG Resources	Plains All American Pipeline
Atmos	ExxonMobil	PRCI
Bluewater	Glacier Oil	Puget Sound Energy
BP	Golden Pass LNG	Renaissance
Boardwalk	Hilcorp Energy	Saddle Butte
Breitbart	Hughes Natural Gas	SemGroup
Buckeye	Huntsman	Southern California Gas
Cardinal Gas Storage	INEOS	Southern Company
CenterPoint Energy	ITC Terminals	Southern Star Central
Centurion Pipeline	Kinder Morgan	Southwest Gas
Cheniere	Koch Industries	Summit Midstream
CITGO	Louisville Gas & Electric	Suncor
Colonial Pipeline	Lucid Energy	Sunoco
ConocoPhillips	Lyondell	Tallgrass
Countrymark Cooperative	Magellan Midstream Partners	TransCanada
CPS Energy	Marathon	United Refining
Crestwood Midstream	Medallion Midstream	Valero
DCP Midstream	Mid American Pipeline	Velocity Midstream
Delek	Moda Midstream	Vinson & Elkins
Dominion	Motiva	Washington Gas & Light
Dow	Net Midstream	WE Energy Group
DuPont Chemicals	NiSource	West Texas Gas
Enable Midstream	North Slope Borough	Whitewater
Enbridge	Northville	Williams
Energy Transfer	ONEOK	Wolverine
Energy XXI		



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Larry C. Decker, P.E.

Executive Consultant III

Executive Summary

Mr. Decker has over 38 years of experience in engineering and construction management, engineering design, project implementation, project management, pipeline integrity, operations, and operations management. He has been responsible for asset design, construction, right-of-way acquisition and pipeline integrity management. His leadership roles as Director, Engineering Manager, Operations Manager, Project Manager, and District Engineer have proven him to be a stellar performer. He consistently completes projects on time and under budget using innovative ideas and solutions.

Accomplishments/Experience

- Created and implemented a model that establishes Maximum Allowable Operating Pressure (MAOP) and documents the applicable code paragraph for both Gas and Liquid pipeline systems.
- Implemented MAOP analyzer tool for several small to large operating companies. During reviews of design and construction records, validated MAOP design value for several operating companies.
- Created and implemented a model that evaluates relief and regulator valve capacity. Model incorporates a valve data base for over five thousand relief and regulator valve brand / model configurations and is currently utilized to evaluate three thousand valves annually for a large gas operating company. A company's complete list of valves can be evaluated as often as requested, taking only a few minutes to do so. The model incorporates upstream and downstream piping configuration and gas properties into its analysis.
- Report prepared for the National Transportation Safety Board, April 10, 2002 entitled "Olympic Pipe Line Company's Pipeline Rupture Incident Review and Analysis".
- Prepared several reports analyzing failure modes for major pipeline failure events.
- Created and implemented a model that evaluates pipeline pressure tests to determine success (i.e., compliance with code) and generates a certification report with automated technical arguments supporting the successful call. Model has been utilized to certify several hundred pressure tests for numerous operating companies.
- Provided project engineering, design and construction management services for many large and high profile pipeline projects (both gas and hazardous liquid) in the U.S., Algeria, Bolivia, Alaska, Colombia, Ecuador and Africa.

- Reorganized a Large Gas Transmission Company's Engineering and Construction group. Introduced project management processes, design standards, risk based estimating standard, fundamental disciplines, and performance metrics to the group.
- Under his leadership, a data base driven mapping system was developed and implemented that completely automated the generation of pipeline design packages. Projects (including FERC filings) were mapped with 3 to 8 hours of drafting, per drawing, while generating very high quality packages. FERC commented that this filing package was the highest quality they had received at the time.
- Managed the engineering group responsible for control, communications, instrumentation and electrical projects for the Trans Alaska Pipeline System.
- Created and implemented a paperless cost reporting system, project estimating system, requisitioning system, time sheet system, and expense reporting system.
- Under his leadership a large engineering consultant group offered the market a very strong pipeline simulation group, a world class corrosion group and a very strong pipeline integrity group.
- Provided engineering solutions to operational and maintenance problems. Proposed, designed, and implemented a project that increased profit by \$6 M per year.
- Mr. Decker has consistently completed projects on time and under budget. Under his supervision he successfully managed the:
 - Conversion of a 24" crude line to natural gas service and conducted hydrotest during a harsh winter.
 - Conversion of a major oil and gas company pipeline system from crude oil service to NGL service (very restrictive clarity specification).
 - Conversion of numerous petrochemical pipelines from one service to another service.
 - Design and construction of three mainline pump stations and tank farm.
 - Expansion of a petrochemical system and built five petrochemical lines including ethylene, propylene, hydrogen, ethane, and propane with metering and control systems, including directional drill (six pipeline bundle) of the Houston Ship Channel.
 - Expansion of a major oil and gas company products system and built numerous meter stations, pump stations, pipelines and directionally drilled crossings.
 - Operation and maintenance of crude, products, and petrochemical facilities from Texas to Louisiana. Negotiated and implemented several large projects along with operational responsibilities.
- Led Operational, Safety, and Environmental Audit of ARCO Marine Company in the aftermath of the Exxon Valdez spill in Prince William Sound.
- Established, managed and built (from scratch) a consultant pipeline engineering department that employed 120 engineering, drafting and inspection personnel. The group was involved with numerous projects ranging in size from a few thousand dollars



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to over \$600 Million. The group maintained a 97% billing rate and generated, approximately 5,000 billed man hours per week.

- Designed and installed meter stations and pipeline facilities, including numerous petrochemical pipelines and stations. Corrected prototype dynamic hydraulic model for a CO₂ pipeline system. Wrote dynamic to static hydraulic simulation model for this CO₂ pipeline.

Technical Skills

- Hydraulic Design / Analysis
- Welding (AWS, API 1104, ASME)
- Flow Measurement Design / Analysis (API / AGA)
- Pump Design/Analysis
- Control System Design
- Programmable Logic Controller Application
- Gas & Liquid MAOP Studies
- Compliance (DOT, FERC, and State) (Gas & Liquid)
- Pipeline Integrity Management
- Pipeline and Station Construction

Associations/Affiliations

Pipeline Research Council International (PRCI) Technical Committee Member: Compressor and Pump Station

Education

B.S., Mechanical Engineering – Texas A&M University

Professional Registrations

- Professional Engineer, State of Texas
- Professional Engineer, State of Oklahoma
- Professional Engineer, State of Alaska

Presentations and Publications

(excluding in-house training sessions)

Decker, L., "Is an 8-Hour Pressure Test Long Enough?" presented at the American Gas Association (AGA) Operations Conference, Phoenix, AZ, April 21, 2016.

Decker, L., "Utilization of an Advanced In-Situ Pressure Test Validation Model," presented at the American Gas Association (AGA) Transmission Workshop, New Orleans, LA, March 18, 2014.

Decker, L., "DOT Gas Code Compliant MAOP Calculation – What Tools are Available to Maintain a Code Compliant MAOP for a Highly Complex and Changing Gas Pipeline System," presented at the American Gas Association (AGA) Operations Conference & Biennial Exhibition, Pittsburgh, PA, Session 23, May 21, 2009.

Decker, L., "Pipeline Integrity Management – Estimating and Prioritizing the Risk Resulting from Pipeline Facility Operations," presented at the API 2009 Pipeline Conference (60th Anniversary), Fort Worth, TX, April 21, 2009.



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Decker, L., "A Risk Assessment Model for Pipeline Facility Operations," *Pipeline & Gas Journal*, p. 38, Volume No. 236 Number 3, March 2009.

Decker, L., "DOT Gas Code Compliant MAOP Calculation – What Tools are Available to Maintain a Code Compliant MAOP for a Highly Complex and Changing Gas Pipeline System," presented at the 7th International Pipeline Conference, Calgary, Alberta, Canada, IPC2008-64365, October 3, 2008.

Decker, L., "Pipeline Integrity Management – Estimating and Prioritizing the Risk Resulting from Pipeline Facility Operations," presented at the 7th International Pipeline Conference, Calgary, Alberta, Canada, IPC2008-64364, October 3, 2008.

Decker, L., "Olympic Pipe Line Company's Pipeline Rupture Incident Review and Analysis," Final Report prepared for the National Transportation Safety Board, April 10, 2002.

Decker, L., Published article regarding CO₂ Pipelines in the