

## Technical Factor One

### Understanding Requirements

With over 30+ years in business, KHB Group LLC (dba) Midwest Mechanical Group has a multitude of facilities management and maintenance services to offer a client. These services span the vast areas of mechanical, electrical, piping and other areas that focuses on improving facility system efficiencies.

Under SIN 811-002, KHB Group LLC (dba) Midwest Mechanical Group will provide the following services:

- **Schedules Service Offerings:** This refers to any business solution which is planned to occur at pre-determined times.
  - **HVAC**
    - Chillers
    - Boilers
    - Air Handlers
    - Building Automation Systems
    - Power Distribution Systems
    - Energy Usage/Consumption
  - Temperature Control Systems
  - Electrical
  - Janitorial / Custodial
  - Lighting and Signage
  - Fire Alarm
  - Piping
    - Water
    - Steam
    - Natural Gas
    - Refrigeration
    - Pneumatic Air
  - Non-Destructive Testing
    - Air and Water Balancing
    - Vibration Analysis / Dynamic balancing
    - Thermography
  - **Repair/Retrofit and Replacement:** The need to upgrade, repair and replace existing equipment (assets) becomes part of the Customer's business cycle or the life cycle of the facility. By maintaining a database with all pertinent information concerning the Customer's assets, the KHB Group LLC (dba) Midwest Mechanical Group is able to forecast and provide accurate budget information for capital allocations.
  - **Warranty Administration**
  - **Building Automation Systems/Controls:** Properly installed and maintained systems. Benefits include energy conservation.
  - **Energy Management:** Planning strategies for effective natural resource use has become a critical component in every business budget. By measuring consumption and comparing design criteria, a true baseline and deviation chart of operation can be established. Only then can an effective energy management program be created and implemented.
  - **On-Site Facility Operations:** Outsourcing of all operations maintenance functions to include labor, tools, materials, expertise and operational consistency through reliability.

- **Roving Maintenance:** Specialists work from a pre-determined schedule and handle all inclusive repairs and maintenance such as tile replacement, painting, door closures, light bulb changes, plumbing maintenance, filter maintenance, etc.
- **Centralized Call Center and Dispatching:** Midwest Mechanical Group's 24/7 Central Communications Center is the main hub of knowledge and data transfer for all scheduled and emergency service requests. This service includes invoice reconciliation, recorded telephone calls, call / service history, etc.

Under SINs 811-004 and 811-005, Midwest Mechanical Group follows the following plan:

- Define the clients business process
- Define the operational schedules of the clients facilities
- Define application of HVAC and Temperature Controls plus Electrical/Utilities as they relate to the business and operational process.
- Define the task requirements for operating and maintaining a new / retrofitted utility plant and business environment.
- Identify all local, state and customer codes and requirements as they relate to the project.
- identify all existing equipment locations, applications, drawings and data history
- Identify the system application that will meet the day-to-day operational requirements of the client.
- Identify the operating effectiveness ratio of HVAC and Electrical/Utilities as it relates to the client's business processes.
- Analyze the identified system components and operational procedures with client to assure cost efficiencies and acceptability.
- Analyze system components: suppliers, product reliability, performance, support, product availability, past experiences and first cost versus life cycle cost.
- Analyze product availability, seasonal conditions, client's expectations and the unexpected-
- Analyze construction plan with Midwest Mechanical Group's project team and client.
- Select suppliers and sub-contractors
- Engage under the direction of Midwest Mechanical Group's project management team the installation of the new system.
- Engage at regularly scheduled times with the client's operational and project team to assure the project schedules are adhered or adjusted.
- Engage the start-up of the new system and perform training of the customer's operational personnel.

Midwest Mechanical Group offers a complete array of products and services focusing on improving facility system efficiencies. Included in our services are:

**HVAC Equipment Performance Evaluations**

- Chillers
- Boilers
- Air handlers
- Building Automation Systems
- Power Distribution Systems
- Energy Usage/Consumption

**Building System Re-Commissioning**

- HVAC
- Temperature Controls
- Power Distribution
- Power Line Correction
- Emergency Power Generation & Co-/ Tri-generation
- Utility services
- Lighting

**Electrical and Mechanical System Consultation**

- Engineering and Construction Management
- System Commissioning

Trade		Before	GSA	Final
		Discount	Discount	GSA
			5%	PRICE
Project Manager		\$ 93.35	\$ 4.67	\$ 88.68
Project Engineer		\$ 93.35	\$ 4.67	\$ 88.68
Asbestos				
	Journeyman	\$ 100.70	\$ 5.04	\$ 95.67
	Utility Tech	\$ 80.30	\$ 4.02	\$ 76.29
	Assistant Utility	\$ 54.89	\$ 2.74	\$ 52.15
Boiler Maker		\$ -		\$ -
	Journeyman	\$ 63.52	\$ 3.18	\$ 60.34
	Utility Tech	\$ 50.82	\$ 2.54	\$ 48.28
	Assistant Utility	\$ 38.11	\$ 1.91	\$ 36.20
Bricklayer		\$ -		\$ -
	Journeyman	\$ 86.42	\$ 4.65	\$ 81.77
	Utility Tech	\$ 67.51	\$ 3.38	\$ 64.13
	Assistant Utility	\$ 42.10	\$ 2.11	\$ 40.00
Carpenter		\$ -		\$ -
	Journeyman	\$ 90.79	\$ 4.93	\$ 85.86
	Utility Tech	\$ 71.15	\$ 3.56	\$ 67.59
	Assistant Utility	\$ 45.74	\$ 2.29	\$ 43.45
Carpenter Trade Show		\$ -		\$ -
	Journeyman	\$ 101.52	\$ 5.46	\$ 96.06
	Utility Tech	\$ 83.86	\$ 4.19	\$ 79.67
	Assistant Utility	\$ 63.90	\$ 3.20	\$ 60.71
Carpenter Floor Cover		\$ -		\$ -
	Journeyman	\$ 97.96	\$ 5.29	\$ 92.67
	Utility Tech	\$ 80.30	\$ 4.02	\$ 76.29
	Assistant Utility	\$ 54.89	\$ 2.74	\$ 52.15
Dipper & Claimshell Dredges		\$ -		\$ -
	Journeyman	\$ 67.82	\$ 3.57	\$ 64.25
	Utility Tech	\$ 50.82	\$ 2.54	\$ 48.28
	Assistant Utility	\$ 45.74	\$ 2.29	\$ 43.45
Divers		\$ -		\$ -
	Journeyman	\$ 103.30	\$ 5.57	\$ 97.74

		\$		\$
	Utility Tech	85.89	\$ 4.29	81.60
		\$		\$
	Assistant Utility	60.40	\$ 3.02	57.38
Duct Cleaning		\$ -		
		\$		\$
	Foreman	91.48	\$ 4.57	86.91
		\$		\$
	General Foreman	96.56	\$ 4.83	91.73
		\$		\$
	Superintendent	101.65	\$ 5.08	96.57
Electrician		\$ -		
		\$		\$
	Journeyman	104.18	\$ 5.21	98.97
		\$		\$
	Utility Tech	76.77	\$ 3.84	72.93
		\$		\$
	Assistant Utility	53.36	\$ 2.67	50.69
Electrician-Fire Alarm		\$ -		
		\$		\$
	Journeyman	58.70	\$ 3.19	55.52
		\$		\$
	Utility Tech	45.23	\$ 2.26	42.97
		\$		\$
	Assistant Utility	32.53	\$ 1.63	30.90
Electrician- Fire Alarm Technician		\$ -		
		\$		\$
	Journeyman	81.36	\$ 4.47	76.89
		\$		\$
	Utility Tech	63.45	\$ 3.17	60.28
		\$		\$
	Assistant Utility	45.63	\$ 2.28	43.35
Electrician Maintenance		\$ -		
		\$		\$
	Journeyman	56.98	\$ 2.26	54.72
		\$		\$
	Utility Tech	45.23	\$ 2.26	42.97
		\$		\$
	Assistant Utility	32.53	\$ 1.63	30.90
Electrician Thermo Scan & NDT		\$ -		
		\$	\$	\$
	Journeyman	279.52	13.98	265.54
		\$	\$	\$
	Utility Tech	254.10	12.71	241.40
		\$	\$	\$
	Assistant Utility	228.69	11.43	217.26
Elevator Mechanic		\$ -		
		\$		\$
	Journeyman	87.47	\$ 4.37	83.10
		\$		\$
	Utility Tech	62.05	\$ 3.10	58.95
		\$		\$
	Assistant Utility	36.64	\$ 1.83	34.81
Elevator Mechanic Modernization		\$ -		
		\$		\$
	Journeyman	67.63	\$ 3.63	64.00
		\$		\$
	Utility Tech	59.92	\$ 3.00	56.92
		\$		\$
	Assistant Utility	36.64	\$ 1.83	34.81
Hydraulic Dredges		\$ -		
		\$		\$
	Journeyman	64.53	\$ 3.50	61.03
		\$	\$	\$
	Utility Tech		2.54	

		50.82		48.28
		\$		\$
Ironworker	Assistant Utility	38.11	\$ 1.91	36.20
		\$	-	
		\$		\$
	Journeyman	89.96	\$ 4.90	85.06
		\$		\$
	Utility Tech	72.55	\$ 3.63	68.92
		\$		\$
Laborer-Asphalt Tampers	Assistant Utility	47.14	\$ 2.36	44.78
		\$	-	
		\$		\$
	Journeyman	70.03	\$ 3.80	66.23
		\$		\$
	Utility Tech	53.18	\$ 2.66	50.52
		\$		\$
Laborer-Building Asbestos Removal	Assistant Utility	32.83	\$ 1.64	31.19
		\$	-	
		\$		\$
	Journeyman	67.81	\$ 3.69	64.12
		\$		\$
	Utility Tech	48.41	\$ 2.42	45.99
		\$		\$
Laborer-Formsetter	Assistant Utility	30.62	\$ 1.53	(1.53)
		\$	-	
		\$		\$
	Journeyman	75.42	\$ 4.07	71.35
		\$		\$
	Utility Tech	56.01	\$ 2.80	53.21
		\$		\$
Laborer-Landscaper	Assistant Utility	32.88	\$ 1.64	31.24
		\$	-	
		\$		\$
	Journeyman	67.54	\$ 3.68	63.86
		\$		\$
	Utility Tech	48.13	\$ 2.41	45.72
		\$		\$
Laborer-Ashalt Rakers	Assistant Utility	32.88	\$ 1.64	31.24
		\$	-	
		\$		\$
	Journeyman	76.23	\$ 4.11	72.12
		\$		\$
	Utility Tech	56.82	\$ 2.84	53.98
		\$		\$
Laborer-Asbestos Abatement	Assistant Utility	31.41	\$ 1.57	29.84
		\$	-	
		\$		\$
	Journeyman	54.60	\$ 3.03	51.57
		\$		\$
	Utility Tech	45.86	\$ 2.29	43.57
		\$		\$
Mason-Bricklayer	Assistant Utility	30.62	\$ 1.53	29.09
		\$	-	
		\$		\$
	Journeyman	89.63	\$ 4.88	84.75
		\$		\$
	Utility Tech	72.22	\$ 3.61	68.61
		\$		\$
Millwright	Assistant Utility	46.80	\$ 2.34	44.46
		\$	-	
		\$		\$
	Journeyman	93.62	\$ 5.08	88.54
		\$		\$
	Utility Tech	78.74	\$ 3.94	74.80

		\$		\$
	Assistant Utility	53.34	\$ 2.67	50.67
Operating Engineer-Building Maintenance		\$	-	\$
	Journeyman	83.88	\$ 4.49	79.39
		\$		\$
	Utility Tech	64.46	\$ 3.22	61.24
		\$		\$
	Assistant Utility	39.05	\$ 1.95	37.10
Painter-Brush & Spray		\$	-	\$
	Journeyman	81.57	\$ 4.48	77.09
		\$		\$
	Utility Tech	64.16	\$ 3.21	60.95
		\$		\$
	Assistant Utility	38.75	\$ 1.94	36.81
Painter-Drywall Tapper		\$	-	\$
	Journeyman	77.94	\$ 4.30	73.64
		\$		\$
	Utility Tech	60.52	\$ 3.03	57.49
		\$		\$
	Assistant Utility	35.11	\$ 1.76	33.35
Plasterer		\$	-	\$
	Journeyman	78.48	\$ 4.32	74.16
		\$		\$
	Utility Tech	61.06	\$ 3.05	58.01
		\$		\$
	Assistant Utility	35.65	\$ 1.78	33.87
Plumber		\$	-	\$
	Journeyman	111.20	\$ 5.56	105.64
		\$		\$
	Utility Tech	85.79	\$ 4.29	81.50
		\$		\$
	Assistant Utility	60.38	\$ 3.02	57.36
Power Equipment Operator		\$	-	\$
	Journeyman	129.21	\$ 6.46	122.75
		\$		\$
	Utility Tech	103.80	\$ 5.19	98.61
		\$		\$
	Assistant Utility	78.39	\$ 3.92	74.47
Power Equipment Operator-Building & Residential		\$	-	\$
	Journeyman	114.30	\$ 5.72	108.59
		\$		\$
	Utility Tech	101.60	\$ 5.08	96.52
		\$		\$
	Assistant Utility	78.72	\$ 3.94	74.78
Roofers		\$	-	\$
	Journeyman	71.69	\$ 3.82	67.87
		\$		\$
	Utility Tech	51.03	\$ 2.55	48.48
		\$		\$
	Assistant Utility	38.32	\$ 1.92	36.40
Service Fitters-Maintenance & Repairs		\$	-	\$
	Journeyman	61.83	\$ 3.34	58.49
		\$		\$
	Utility Tech	51.59	\$ 2.58	49.01

		\$		\$
	Assistant Utility	38.88	\$ 1.94	36.94
Sheetmetal Worker		\$	-	\$
	Journeyman	96.21	\$ 5.21	91.00
	Utility Tech	50.52	\$ 2.53	47.99
	Assistant Utility	38.11	\$ 1.91	36.20
Sheetmetal Worker-Sign Erector		\$	-	\$
	Journeyman	78.14	\$ 4.31	73.83
	Utility Tech	60.73	\$ 3.04	57.69
	Assistant Utility	35.32	\$ 1.77	33.55
Sprinkler Fitter		\$	-	\$
	Journeyman	97.37	\$ 4.87	92.50
	Utility Tech	77.05	\$ 3.85	73.20
	Assistant Utility	64.34	\$ 3.22	61.12
Steam Fitter-Refrigeration		\$	-	\$
	Journeyman	86.40	\$ 4.32	82.08
	Utility Tech	75.01	\$ 3.75	71.26
	Assistant Utility	52.15	\$ 2.61	49.54
Steam Fitter-Refrigeration II		\$		\$
	Journeyman	101.65	\$ 5.08	96.57
	Utility Tech	96.56	\$ 4.83	91.73
	Assistant Utility	91.48	\$ 4.57	86.91
Telephone Cable		\$	-	\$
	Journeyman	84.11	\$ 4.21	79.90
	Utility Tech	71.40	\$ 3.57	67.83
	Assistant Utility	58.70	29.35	29.35
Timberman		\$	-	\$
	Journeyman	74.87	\$ 4.14	70.73
	Utility Tech	57.46	\$ 2.87	54.59
	Assistant Utility	32.05	\$ 1.60	30.45
Tree Trimmer		\$	-	\$
	Journeyman	52.98	\$ 2.65	50.33
	Utility Tech	40.26	\$ 2.01	38.25
	Assistant Utility	32.65	\$ 1.63	31.02
Truck Driver		\$	-	\$
	Journeyman	73.84	\$ 4.07	69.77
	Utility Tech	55.93	\$ 2.80	53.13
	Assistant Utility	\$	\$ 1.53	\$

	30.52		28.99
Welder	\$ -		\$
	\$		\$
Journeyman	69.76	\$ 3.49	66.27
	\$		\$
Utility Tech	51.97	\$ 2.60	49.37
	\$		\$
Assistant Utility	35.32	\$ 1.77	33.55