

I. HEPA VACUUM

- **HEPA Vacuum - 10 gallon capacity:** Heavy Duty, Wet/Dry Vacuum cleaner with HEPA rated filter, capable of trapping 99.97% of dust particles 0.3 microns in size or larger, minimum 115 CFM air displacement, and 110/120 V, 35' power cord.

Model	Bidder	Price
Tiger-Vac AS-400 MR(HEPA) NP	Tiger-Vac	\$595.00
#136277 (12 Gallon)	Professional Equipment	\$1,080.95

- **HEPA Vacuum - 15 gallon capacity:** Heavy Duty, Wet/Dry Vacuum cleaner with HEPA rated filter, capable of trapping 99.97% of dust particles 0.3 microns in size or larger, minimum 115 CFM air displacement, and 110/120 V, 35' power cord

Model	Bidder	Price
Tiger-Vac AS-400 MR(HEPA) NP	Tiger-Vac	\$595.00
#127986 (16 Gallon)	Professional Equipment	\$525.00

- **HEPA Vacuum Accessories:** (must fit vacuum for which you are submitting a bid)

15' smooth bore PVC hose

Model	Bidder	Price
As Specified	Tiger-Vac	Included with vacuum cleaner

54" double bend wand

Model	Bidder	Price
As Specified	Tiger-Vac	Included with vacuum cleaner

54" extension tube

Model	Bidder	Price
As Specified	Tiger-Vac	\$38.30

5' extension tube

Model	Bidder	Price
As Specified	Tiger-Vac	\$38.30

14" nylon floor brush

Model	Bidder	Price
As Specified	Tiger-Vac	Included with vacuum cleaner

14" squeegee floor tool

Model	Bidder	Price
As Specified	Tiger-Vac	Included with vacuum cleaner

14" rough surface fiber shod floor tool

Model	Bidder	Price
As Specified	Tiger-Vac	\$30.00

8" wall and overhead brush

Model	Bidder	Price
As Specified	Tiger-Vac	\$65.00

27" steel crevice tool

Model	Bidder	Price
As Specified	Tiger-Vac	\$38.66

Drill Shroud

Model	Bidder	Price
As Specified	Tiger-Vac	\$175.00

II. COMBUSTION SAFETY EQUIPMENT

- **Combustible Gas Detector:** Tiff Model 8800a complete with 115V battery charger, carrying case, and 2 nicad batteries.

Model	Bidder	Price
As Specified	Positive Energy	\$101.42
As Specified	Professional Equipment	\$186.95
As Specified	Sid Harvey Industries	\$160.05
Testo 316-1	Tru Tech Tools	\$269.28

- **Combustible Gas Detector:** Bacharach Leakator Jr. with sensor, soft case and batteries

Model	Bidder	Price
As Specified	Positive Energy	\$160.70
As Specified	Sid Harvey Industries	\$160.41
As Specified	R.E. Michel Co.	\$154.56
As Specified	Professional Equipment	\$192.95
Testo 316-1	Tru Tech Tools	\$269.28

- **Combustible Gas Detector:** Bacharach Leakator with sensor, soft case and batteries

Model	Bidder	Price
As Specified	Sid Harvey Industries	\$265.90
As Specified	Professional Equipment	\$317.95
As Specified	R.E. Michel Co.	\$256.20
Leakator 10	Positive Energy	\$261.79
Testo 316-1	Tru Tech Tools	\$269.28

- **CO Gas Analyzer:** Bacharach Monoxor III Electronic CO Analyzer, impact resistant case and one set of batteries per unit (4 total).

Model	Bidder	Price
As Specified	Positive Energy	\$433.79
As Specified	Sid Harvey Industries	\$448.97
As Specified	R.E. Michel Co.	\$432.60
As Specified	Professional Equipment	\$569.95
Testo 327-1	Tru Tech Tools	\$729.52

- **Combustion Analyzer:** Bacharach Fyrite PCA 2 with Reporting Package Combustion Analyzer

Model	Bidder	Price
As Specified	Positive Energy	\$1,677.39
As Specified	Sid Harvey Industries	\$1,756.67
As Specified	R.E. Michel Co.	\$1,692.60
As Specified	Professional Equipment	\$2,570.00
Testo 330-1	Tru Tech Tools	\$1,938.64

- **Combustion Analyzer:** Bacharach Fyrite Insight Combustion Analyzer with Reporting Package

Model	Bidder	Price
As Specified	Sid Harvey Industries	\$1,219.64
As Specified	R.E. Michel Co.	\$1,175.16
As Specified	Professional Equipment	\$1,399.00
As Specified with out printer	Positive Energy	\$961.57
As Specified with printer	Positive Energy	\$1,168.07
Testo 330-1	Tru Tech Tools	\$1,938.64

- **Printer for Combustion Analyzer:** Bacharach IR Printer Model 241400 with 1 roll of printer paper

Model	Bidder	Price
As Specified	Positive Energy	\$253.67
As Specified	Sid Harvey Industries	\$266.77
As Specified	R.E. Michel Co.	\$247.80
As Specified	Professional Equipment	\$318.95
Testo Printer Kit	Tru Tech Tools	\$296.56

- **Combustion Analyzer:** One (1) Bacharach Fyrite Classic Oil Combustion Test Kit Model 10-5022 Combustion Analyzer, Tempoint Thermometer, True Spot Smoke Detector, MZFDraft Gauge, Fyrite CO2 Analyzer Indicator with Fluid, Carrying Case, and all additional supplies as provided by Bacharach

Model	Bidder	Price
As Specified	Positive Energy	\$535.38
As Specified	Sid Harvey Industries	\$549.23
As Specified	R.E. Michel Co.	\$529.20
As Specified	Professional Equipment	\$647.95
Testo 327-1	Tru Tech Tools	\$1,106.16

- **Replacement Oxygen Sensor(s) for Combustion Analyzers:**

PCA 20 or 25

Model	Bidder	Price
As Specified	Positive Energy	\$136.83
As Specified	Sid Harvey Industries	\$138.62
As Specified	R.E. Michel Co.	\$133.56
As Specified	Professional Equipment	\$215.95

Model ECA 450

Model	Bidder	Price
As Specified	Positive Energy	\$135.22
As Specified	Sid Harvey Industries	\$138.62
As Specified	R.E. Michel Co.	\$133.56

- **B-Smart Plan Sensors Re-calibration Program**

2-Sensor Program

Model	Bidder	Price
As Specified	Sid Harvey Industries	\$242.30
As Specified	R.E. Michel Co.	\$189.00

4-Sensor Program

Model	Bidder	Price
As Specified	Sid Harvey Industries	\$370.51
As Specified	R.E. Michel Co.	\$289.00

- **Combustion Analyzer:** Testo 327-2, with IR Printer Combustion Analyzer, with probe to +932°F, spare filters, power pack, IR Printer, spare paper and case.

Model	Bidder	Price
As Specified	Positive Energy	\$1,350.00
As Specified	Tru Tech Tools	\$1,192.40
As Specified	Sid Harvey Industries	\$1,219.64
As Specified	Professional Equipment	\$1,094.95

- **Combustion Analyzer:** Testo 330 Flue Gas Analyzer, with IRDA Printer, attachable printer, flue gas probe to +932°F, spare filters, charger, spare paper and hard carrying case.

Model	Bidder	Price
As Specified	Positive Energy	\$1,902.00
As Specified	Tru Tech Tools	\$1,940.40
As Specified	Sid Harvey Industries	\$2,023.72
As Specified	Professional Equipment	\$2,083.95

Bacharach Draft Gauge Model MZF

Model	Bidder	Price
As Specified	Positive Energy	\$172.50
As Specified	Sid Harvey Industries	\$175.23
As Specified	R.E. Michel Co.	\$168.84
Testo 510	Tru Tech Tools	\$158.40

Bacharach True Spot Smoke Tester Complete Kits Model 21-7006.

Model	Bidder	Price
As Specified	Positive Energy	\$97.76
As Specified	Sid Harvey Industries	\$95.90
As Specified	R.E. Michel Co.	\$92.40
As Specified	Professional Equipment	\$109.95
Testo smoke pump test kit	Tru Tech Tools	\$140.80

III. PRESSURE AND FLOW MEASURING DEVICES

- **Blower Door:** Model 3 Minneapolis Blower Door with aluminum frame and digital gauges (DG-700)

Model	Bidder	Price
As Specified	Energy Conservatory	\$2,362.50
RETROTEC Q46	Tru Tech Tools	\$2,675.00
RETROTECH R43	Tru Tech Tools	\$2,358.00

- **Duct Blaster:** Minneapolis Duct Blaster; Series B with digital gauge(DG-700)

Model	Bidder	Price
As Specified	Energy Conservatory	\$1,755.00
RETROTEC Q32	Tru Tech Tools	\$2,096.00
RETROTECH R31	Tru Tech Tools	\$1,848.00

- **Digital Manometer:** Hand Held Digital Pressure Gauge (DG-700) manufactured by the Energy Conservatory: two channel, auto zero, time averaging and cfm flow with 1 set of batteries included.

Model	Bidder	Price
As Specified	Energy Conservatory	\$742.50
RETROTEC DM-2A	Tru Tech Tools	\$1,152.80
RETROTECH DM-2	Tru Tech Tools	\$838.64

- **Flow Meter:** Testo #435 CFM Kit, 0 to 4,000 fpm, -58 to 300°F, 0 to 100,000 CFM, timed and multi-point averaging and calculation of CFM and duct area, printing capabilities of measurement with date and time, dust and water, Vane probes, protective transport case.

Model	Bidder	Price
As Specified	Energy Conservatory	\$1,241.00
As Specified	Tru Tech Tools	\$1,099.12
As Specified	Sid Harvey Industries	\$958.97
As Specified	Professional Equipment	\$970.95

IV. DATA LOGGING SYSTEM

- **Automated Performance Testing (APT) System;** Data Acquisition Box with Air tightness Testing and Data Logging Software Model APT-8 with 3 pressure and 8 analog channels and carrying case for APT system and accessories

Model	Bidder	Price
As Specified	Energy Conservatory	\$1,845.00

- *Sensors for the APT System,*

CO Sensor (0 to 2,000 ppm)

Model	Bidder	Price
As Specified	Energy Conservatory	\$247,50

- **Temperature Sensor (-40°F to 140°F)**

Model	Bidder	Price
As Specified	Energy Conservatory	\$54.00

- **Relative Humidity Sensor (0 to 100%)**

Model	Bidder	Price
As Specified	Energy Conservatory	\$54.00

V. INSULATION BLOWING MACHINE

- Intec Force/2 with Remote Cord, 100' 3" hose, 2 100 ft. 12/3 power cords, 3 to 2.5" and 2.5 to 2" reducers, 3" hose connector, 3 3" hose clamps, 2" insert tube, and all other equipment in package as manufactured by Intec.

Model	Bidder	Price
As Specified	Positive Energy	\$7,000.00
As Specified	J&R Products	\$6,650.00

- Krendle #2000, with casters, 2 blowers, 100' 3" hose, 2 100 ft. 12/3 power cords, 3 to 2.5" and 2.5 to 2" reducers, 3" hose connector, 3 3" hose clamps, 2" insert tube, and all other equipment in package as manufactured by Krendle.

Model	Bidder	Price
As Specified	Positive Energy	\$8,648.00
As Specified	J&R Products	\$8,795.00

VI. GAS FUELED ELECTRIC GENERATOR

- **Heavy Duty Gas Fueled Electric Generator:** Rated at 8,000 Watts, 120/240V and 28 amps. **Include manufacturer information with the bid package.**

Model	Bidder	Price
04582 Generac 15,000 watt (GN-150)	J&R Products	\$2,695.00

VII. TEMPERATURE AND MEASURING EQUIPMENT

- **Thermometer:** Raytec Mini Laser Thermometer, 0 to 500°F (-18 to 260°C), 6 to 1 Distance to Spot Ratio, 9V Alkaline or NiCd battery, case.

Model	Bidder	Price
0-750°F, 8:1 distance to Spot Ratio	Positive Energy	\$116.98
Testo 830-T2	Tru Tech Tools	\$183.04
Raytech Mini Thermometer 0-525°F 8:1 Ratio	Professional Equipment	\$78.95

- **Thermometer:** Extech Mini Infrared Thermometer, 0 to 600°F (-20 to 320°C), 6 to 1 Distnce to Spot Ratio, 9V battery.

Model	Bidder	Price
As Specified	Professional Equipment	\$72.95
Testo 830-T2	Tru Tech Tools	\$183.04

- **Thermometer:** Mannix Deluxe Negative Range Infrared Thermometer, -40 to 932°F (-40 to 500°C), 10:1 Distance to Spot Ratio, ±3% Accuracy, 500m/sec Response Time, 9V battery, carrying case

Model	Bidder	Price
As Specified	Sid Harvey Industries	\$76.88
Fluke T512-555	Professional Equipment	\$125.95
Testo 830-T2	Tru Tech Tools	\$183.04

- **Humidity:** Bacharach Sling Psychrometer Model 12-7012 W/red Spirit Filled Tubes

Model	Bidder	Price
As Specified	Positive Energy	\$72.58
As Specified	Sid Harvey Industries	\$66.67
As Specified	R.E. Michel Co.	\$67.20
As Specified	Professional Equipment	\$101.00
Testo 605-H1	Tru Tech Tools	\$112.64

- **Humidity:** Pen-Style Thermo-Hygrometer, 5 - 95% RH range, 14 to 122°F (-10 to 50°C) temperature range, ±3% accuracy.

Model	Bidder	Price
As Specified	Positive Energy	\$62.80
As Specified	Sid Harvey Industries	\$52.27
As Specified	Professional Equipment	\$80.95
Testo 605-H1	Tru Tech Tools	\$112.64

- **Distance:** Sonin Combo Pro, with high visibility red laser beam, measurement in feet/inches/fractions, decimal feet, yards or meters, up to a distance of 250 feet, storage of 7 measurements, ability to compute areas and volumes, addition and subtraction, low battery indicator, and auto shut-off, 9V batteries.

Model	Bidder	Price
As Specified	Professional Equipment	\$129.95

- **Measuring Wheel:** Stanley MW208 4-in Dual ABS Plastic Measuring Wheel, collapsible telescoping handle, 5 digit counter pushbutton reset, measures up to 9,999 feet

Model	Bidder	Price
134612 Roadrunner Distance Wheel	Professional Equipment	\$35.90

- **Stanley Magnetic Torpedo Level:** Model #43-511, heavy-duty aluminum frame, open top read vial, water resistant, rubber end caps

Model	Bidder	Price
Klein Q405-9319	Professional Equipment	\$23.95

- **Stanley 35 Ft FatMax Tape Measure:** Model 33-735, ±0.125" Accuracy, 35 Ft. Length

Model	Bidder	Price
As Specified	Professional Equipment	\$36.70

VIII. INFRARED CAMERA

- **Infrared Camera:** black and white, hand held, 7-14 μ m spectrum range, data storage capability, A/V jacks, wide angle lens, capable of recording 2-3°F temperature differential, minimum 2 hours battery time, battery charger, carrying case.

The bidder will offer the following warrantee for the infrared camera, and will include it as part of the bid cost:

The bidder, during a period of 1 year after date of purchase, shall repair any proven defects in material and/or workmanship in the warranted product or, at its option, may cause the product to be replaced with the same product, all without charge to the agency that purchases this equipment. Replacement of parts may be made with parts of like kind and quality. Enclose written copy of your warrantee with this bid.

Include manufacturer information with the bid package.

Model	Bidder	Price
FLIR Infrared B40 (no A/V jacks)	Energy Conservatory	\$4,800.00
FLIR Infrared B50 (no A/V jacks)	Energy Conservatory	\$5,800.00

FLIR Infrared B60 (no A/V jacks)	Energy Conservatory	\$7,800.00
RAZ-IR	Positive Energy	\$5,489.00
See Attached MIT Table	Monroe Infrared Technology	
Testo 880-1	Tru Tech Tools	\$4,749.99
FLIR B200	Professional Equipment	\$9,995.00

- **Infrared Camera:** color, hand held, 7-14 μ m spectrum range, data storage capability, A/V jacks, wide angle lens, capable of recording 2-3°F temperature differential, minimum 2 hours battery time, battery charger, carrying case.

The bidder will offer the following warrantee for the infrared camera, and will include it as part of the bid cost:

The bidder, during a period of 1 year after date of purchase, shall repair any proven defects in material and/or workmanship in the warranted product or, at its option, may cause the product to be replaced with the same product, all without charge to the agency that purchases this equipment. Replacement of parts may be made with parts of like kind and quality. Enclose written copy of your warrantee with this bid.

Include manufacturer information with the bid package.

Model	Bidder	Price
FLIR Infrared B40 (no A/V jacks)	Energy Conservatory	\$4,800.00
FLIR Infrared B50 (no A/V jacks)	Energy Conservatory	\$5,800.00
FLIR Infrared B60 (no A/V jacks)	Energy Conservatory	\$7,800.00
RAZ-IR	Positive Energy	\$5,489.00
See Attached MIT Table	Monroe Infrared Technology	
FLIR B200	Professional Equipment	\$9,995.00

- **Infrared Camera:** black and white, hand held, 7-14 μ m spectrum range, data storage capability, A/V jacks, 1:2 zoom, wide angle lens, capable of recording 2-3°F temperature differential, minimum 2 hours battery time, battery charger, carrying case.

Model	Bidder	Price
RAZ-IR with zoom lens	Positive Energy	\$5,583.40
See Attached MIT Table	Monroe Infrared Technology	
FLIR B200	Professional Equipment	\$9,995.00

- **Infrared Camera:** color, hand held, 7-14 μ m spectrum range, data storage capability, A/V jacks, 1:2 zoom lens, wide angle lens, capable of recording 2-3°F temperature differential, minimum 2 hours battery time, battery charger, carrying case.

Model	Bidder	Price
RAZ-IR with zoom lens	Positive Energy	\$5,583.40
See Attached MIT Table	Monroe Infrared Technology	
FLIR B200	Professional Equipment	\$9,995.00

- **Infrared Camera Usage Training Program:** Describe available training program for the use of the specified camera. Attach additional pages if necessary.

Model	Bidder	Price
See Attached MIT Table	Monroe Infrared Technology	

- **Battery Pack:** Additional battery pack compatible with the specified camera.

Model	Bidder	Price
FLIR Infrared bCam Battery	Energy Conservatory	\$150.00
RAZ-IR	Positive Energy	\$115.00
Testo 880 battery 0554 8802	Tru Tech Tools	\$110.00
#144575	Professional Equipment	\$150.00

IX. BOROSCOPE

- **Fiberscope:** flexible, industrial grade shaft, minimum 27" long, carrying case, eyepiece, light source, rechargeable battery, recharger

Model	Bidder	Price
Testo 318-V	Tru Tech Tools	\$219.99
Z509-3606 (36" not rechargeable)	Professional Equipment	\$420.00

X. MISCELANIOUS:

- **Surface Test Swab Kits:** swabs to test for lead, mercury, nickel, camium or chromate, 30 second response time, capable of readings from painted wood, ceramic glazes, plumbing, waste materials, dust, or soil, 2 μ g sensitivity-solid, 0.50% ppm sensitivity-liquid

Model	Bidder	Price
Lead Check PM/MTL 8 swabs of each metal test	Positive Energy	\$216.85
Lead Check Swabs	Professional Equipment	\$21.95

- **Merlin Low-E/K Window Tester:** test for low-e glass by placing tool on the glass, detect which surface the coating is on

Model	Bidder	Price
As Specified	Professional Equipment	\$199.00

- **Digital Compass:** compass capable of reading N, S, E, W, digital LED screen

Model	Bidder	Price
As Specified	Professional Equipment	\$99.95

- **Uniden 2-Way Radio Set:** Model GMRS680-2CKCP, NI-MH battery, 22 channels, 38 CTCSS privacy codes and VOX, 2 radios, AC adapter, 2 rechargeable NI-MH batteries, charging cradle

Model	Bidder	Price
Radio FRS/GMRS 22CH Rechrg	Professional Equipment	\$55.60

- X. CATALOG DISCOUNT:** the bidder offers the following discount to all NYS Weatherization agencies off of their listed prices in their most current catalog(s) for all items to encourage the purchase of items from their company. This will be a binding discount for all agencies through March 31, 2010.

Model	Bidder	Price
As Specified	Energy Conservatory	10% off excluding Infrared Cameras
As Specified	J&R Products	10% off on non-bid items
As Specified	Tru Tech Tools	10% off excluding Thermal Imagers

EXTENDED WARRANTEE FOR ALL ABOVE EQUIPMENT: the bidder will offers the following extended warrantee for all equipment, and will include it as part of the bid cost:

The bidder, during a period of 1 year after date of purchase, shall cause to be repaired any proven defects in material and/or workmanship in the warranted product or, at its option, may cause the product to be replaced with the same product, all without charge to the agency that purchases this equipment. Replacement of parts may be made with parts of like kind and quality.