

**WORK SESSION AGENDA  
WYOMING CITY COUNCIL MEETING  
CITY COUNCIL CHAMBERS**

**Monday, March 14, 2011, 7:00 P.M.**

- 1) Call to Order**
- 2) Public Comment on Agenda Items (3 minute limit per person)**
- 3) Computer Hardware and Software Spring Purchase**
- 4) Fee Schedule Amendments**
- 5) Any Other Matters**
- 6) Acknowledgement of Visitors/Public Comment (3 minute limit per person)**

CLH/lj

**TO:** Curtis Holt, City Manager

**Cc:** James Kohmescher, Director of Administrative Services  
Kim Oostindie, Human Resources Supervisor  
Tim Smith, Finance Director

**FROM:** Gail Sheppard, Director of Information Technology

**DATE:** March 7, 2011

**SUBJECT:** City Hardware/Software Bid Specification Results

On Tuesday, March 1, 2011, twelve responses were received in answer to our two hundred and twenty one invitations to bid on various computer software and/or hardware components not available through WSCA. A review and evaluation of the bids received (refer to attachment) resulted with four of the vendors (En Pointe Technologies Sales, Global Gov/Ed Solutions, Inc., Precision Data Products, Inc., and Secant Technologies) being recommended for specific portions of the bid.

The justification for the request to the City Council to award the bid to **En Pointe Technologies Sales** for the Mobile Unit Replacements; to award the bid to **Global Gov/Ed Solutions, Inc.** for the Miscellaneous Equipment Replacements; to award the bid to **Precision Data Products, Inc.** for the Streaming Video Equipment and Service and to award the bid to **Secant Technologies** for the Cisco Infrastructure Upgrades and Replacements; is based upon the lowest complete bid received in respective areas.

Justification for computer hardware/software is based upon maintaining our IT infrastructure to support enterprise technology solutions, facilitate interoperability and connectivity and support technologies and processes that increase service to our employees and/or citizens. Replacement/upgrade is generally completed on an as needed basis; specific to communication/speed, obsolesce and/or changes in technology.

The Cisco infrastructure upgrades/replacements (along with one spare router to decrease outage timeframes for hardware failures) are specific to the Police department. The switches will handle Gigabit speeds and Power over Ethernet capabilities, for datacenter aggregation, virtualization and Voice over IP efforts.

The Streaming video equipment/service will provide a method for more effective, farther reaching video communications. With video broadcasting and Internet streaming video-on-demand we can inform, promote, and alert, providing transparency and improving the way we communicate. This solution will provide the City the ability to inform residents on upcoming events, provide coverage of public meetings and local events, but most importantly make our citizens aware of the essential services that are provided by their local government.

Funding for the purchase of the computer hardware/software listed on the 'Fall 2010 - Bid Tabulation' sheet is budgeted and available in the **General Fund - Information Technology** - Computer Equipment account #101-258-25800-984017 for (\$84,071).

Attachments:

Bid Tabulation for Computer Hardware and Software

Quantity	Mfg. Part Number	Hardware / Software Item Description	AVI Systems, Inc.		En Pointe Technologies Sales, Inc.		Global Computer		Global Gov/Ed Solutions, Inc.		Howard Industries, Inc.	
			Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt
<b>Mobile Unit Replacements</b>												
9	CF-31GA3AX1M	Panasonic Toughbook 31, Core i3 350M / 2.26 GHz, RAM – 4 GB, HDD 160 GB, HD Graphics, Gigabit Ethernet – WLAN: 802.11b/g/n, Bluetooth 2.1 EDR, Windows 7.0 Professional, 13.1” LED backlight TFT (Touch Screen) 1024 x 768		0.00	3,296.79	29,671.11	3,474.26	31,268.34	3,357.25	30,215.25	3,678.00	33,102.00
<b>Mobile Unit Replacements Subtotal</b>				\$0.00		\$29,671.11		\$31,268.34		\$30,215.25		\$33,102.00
<b>Cisco Infrastructure Upgrades &amp; Replacements</b>												
1	CISCO2921-SEC/K9	Cisco 2921 Security Bundle w/SEC license PAK		0.00	2,556.55	2,556.55	2,687.09	2,687.09	2,604.00	2,604.00	2,883.00	2,883.00
1	HWIC-2FE	Cisco HWIC-2FE		0.00	847.64	847.64	894.28	894.28	866.75	866.75	947.00	947.00
2	AIR-LAP1142N-A-K9	Cisco Aironet 1140 Series Access Point-Dual-band 802.11 a/g/n		0.00	581.95	1,163.90	616.04	1,232.08	594.50	1,189.00	100.00	200.00
2	AIR-PWRINJ4=	Cisco Power Injector		0.00	88.55	177.10	92.48	184.96	89.65	179.30	652.00	1,304.00
4	WS-C2960S-24TD-L	Cisco Catalyst 2960S 24 GigE, 2 x 10G SFP+ LAN Base		0.00	2,370.21	9,480.84	2,485.06	9,940.24	2,402.00	9,608.00	0.00	0.00
4	CON-SNT-2960S2TD	Cisco SMARTNET 8x5xNBD Cat 2960S Stk24 GigE, 2x10G SFP+ LAN Base		0.00	249.46	997.84	279.09	1,116.36	270.55	1,082.20	0.00	0.00
4	WS-C2960S-48FPS-L	Cisco Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base		0.00	3,945.55	15,782.20	4,143.89	16,575.56	4,005.25	16,021.00	4,446.00	17,784.00
4	CON-SNT-2960S4FS	Cisco SMARTNET 8x5xNBD Cat 2960S Stk48 GigE, PoE 740W, 4xSFP Base		0.00	249.46	997.84	279.09	1,116.36	270.55	1,082.20	295.00	1,180.00
8	C2960S-STACK	Cisco 2960S FlexStack Stack Module optional for LAN Base		0.00	791.64	6,333.12	829.42	6,635.36	801.75	6,414.00	898.00	7,184.00
2	SFP-10G-LRM=	Cisco 10GBase-LRM SFP+ Module for MMF		0.00	758.44	1,516.88	823.05	1,646.10	774.00	1,548.00	883.00	1,766.00
2	CAB-MCP-LC=	Cisco IEEE 802.3z-compliant optical fiber assembly consisting of a single-mode fiber permanently coupled off-center to a 62.5-micron multimode optical fiber with duplex SC connectors at one end and duplex LC connectors at the other end. The patch cord is 1 meter (3.28 feet) in length		0.00	0.00	0.00	308.37	616.74	299.00	598.00	0.00	0.00
2	PWR-RPS2300=	Cisco Redundant Power System 2300 - power supply - redundant		0.00	702.92	1,405.84	740.09	1,480.18	717.25	1,434.50	794.00	1,588.00
4	C3K-PWR-750WAC=	Cisco Power Supply - Hot Plug - 750 Watt power supply for 24-port switch with 420W PoE		0.00	581.95	2,327.80	613.56	2,454.24	593.35	2,373.40	658.00	2,632.00
6	CAB-RPS2300=	Cisco GSA RPS CAB 2300 Non-ENET SW		0.00	89.25	535.50	92.52	555.12	89.70	538.20	99.00	594.00
**		<b>Cisco Infrastructure Upgrades &amp; Replacements Subtotal</b>		\$0.00	Incomplete	\$44,123.05		\$47,134.67		\$45,538.55	Incomplete	\$38,062.00

Quantity	Mfg. Part Number	Hardware / Software Item Description	AVI Systems, Inc.		En Pointe Technologies Sales, Inc.		Global Computer		Global Gov/Ed Solutions, Inc.		Howard Industries, Inc.	
			Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt
<b>Streaming Video Equipment &amp; Service</b>												
1	PEGvault-SD	LEIGHTRONIX Digital Video Encoder	2,643.00	2,643.00		0.00		0.00		0.00		0.00
1	PEGstream-SD	LEIGHTRONIX Live Streaming Media Encoder	3,760.00	3,760.00		0.00		0.00		0.00		0.00
1	PEG Stream	LEIGHTRONIX One Year Live Streaming Service	2,898.00	2,898.00		0.00		0.00		0.00		0.00
1	PEG Central	LEIGHTRONIX One Year Web Media Hosting and Streaming Video-On-Demand Service	2,886.00	2,886.00		0.00		0.00		0.00		0.00
<b>Streaming Video Equipment &amp; Service Subtotal</b>				\$12,187.00		\$0.00		\$0.00		\$0.00		\$0.00
<b>Miscellaneous Equipment Replacements</b>												
1	AirCheck	Fluke Networks Aircheck Wi-Fi Tester		0.00	1,729.05	1,729.05	1,897.16	1,897.16	1,748.50	1,748.50		0.00
1	CIQ-KIT	Fluke Networks CableQ Advanced IT Kit		0.00	1,436.64	1,436.64	1,491.33	1,491.33	1,445.70	1,445.70		0.00
1	AR100HD	APC NetShelter WX 13U Wall-Mount Enclosure		0.00	433.87	433.87	468.95	468.95	434.25	434.25	496.00	496.00
1	PS186A-R2	Black Box 6 Outlet Rackmount Power Strip		0.00		0.00	68.70	68.70	69.55	69.55		0.00
1	PSA1000MT3-12OU	Liebert PSA 1000MT - UPS, External 1000 VA power capacity, 6 min. battery run time (up to), 600 WATT power provided, AC 120V, 2 years Warranty		0.00		0.00	117.96	117.96	115.75	115.75		0.00
<b>Miscellaneous Equipment Replacements Subtotal</b>				\$0.00	Incomplete	\$3,599.56		\$4,044.10		\$3,813.75	Incomplete	\$496.00

Quantity	Mfg. Part Number	Hardware / Software Item Description	M & K Construction Supply, LLC		NeTech Corporation		Next I.T.		Precision Data Products, Inc.		Roscor	
			Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt
<b>Mobile Unit Replacements</b>												
9	CF-31GA3AX1M	Panasonic Toughbook 31, Core i3 350M / 2.26 GHz, RAM – 4 GB, HDD 160 GB, HD Graphics, Gigabit Ethernet – WLAN: 802.11b/g/n, Bluetooth 2.1 EDR, Windows 7.0 Professional, 13.1” LED backlight TFT (Touch Screen) 1024 x 768	4,233.60	38,102.40	3,465.00	31,185.00	3,492.16	31,429.44	3,390.00	30,510.00		0.00
<b>Mobile Unit Replacements Subtotal</b>				\$38,102.40		\$31,185.00		\$31,429.44		\$30,510.00		\$0.00
<b>Cisco Infrastructure Upgrades &amp; Replacements</b>												
1	CISCO2921-SEC/K9	Cisco 2921 Security Bundle w/SEC license PAK	3,268.80	3,268.80	2,389.40	2,389.40	2,668.30	2,668.30	2,745.00	2,745.00		0.00
1	HWIC-2FE	Cisco HWIC-2FE	1,094.40	1,094.40	754.00	754.00	903.57	903.57	806.80	806.80		0.00
2	AIR-LAP1142N-A-K9	Cisco Aironet 1140 Series Access Point-Dual-band 802.11 a/g/n	903.60	1,807.20	517.40	1,034.80	619.91	1,239.82	585.29	1,170.58		0.00
2	AIR-PWRINJ4=	Cisco Power Injector	121.33	242.66	77.48	154.96	90.63	181.26	86.67	173.34		0.00
4	WS-C2960S-24TD-L	Cisco Catalyst 2960S 24 GigE, 2 x 10G SFP+ LAN Base	2,956.80	11,827.20	2,337.40	9,349.60	2,473.87	9,895.48	2,447.88	9,791.52		0.00
4	CON-SNT-2960S2TD	Cisco SMARTNET 8x5xNBD Cat 2960S Stk24 GigE, 2x10G SFP+ LAN Base	390.00	1,560.00	276.25	1,105.00	276.17	1,104.68	297.57	1,190.28		0.00
4	WS-C2960S-48FPS-L	Cisco Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base	5,056.80	20,227.20	3,897.40	15,589.60	4,125.22	16,500.88	4,081.90	16,327.60		0.00
4	CON-SNT-2960S4FS	Cisco SMARTNET 8x5xNBD Cat 2960S Stk48 GigE, PoE 740W, 4xSFP Base	390.00	1,560.00	276.25	1,105.00	276.17	1,104.68	277.51	1,110.04		0.00
8	C2960S-STACK	Cisco 2960S FlexStack Stack Module optional for LAN Base	1,224.00	9,792.00	780.00	6,240.00	825.68	6,605.44	850.00	6,800.00		0.00
2	SFP-10G-LRM=	Cisco 10GBase-LRM SFP+ Module for MMF	1,435.12	2,870.24	673.40	1,346.80	784.67	1,569.34	720.11	1,440.22		0.00
2	CAB-MCP-LC=	Cisco IEEE 802.3z-compliant optical fiber assembly consisting of a single-mode fiber permanently coupled off-center to a 62.5-micron multimode optical fiber with duplex SC connectors at one end and duplex LC connectors at the other end. The patch cord is 1 meter (3.28 feet) in length	259.90	519.80	260.00	520.00	0.00	0.00	294.25	588.50		0.00
2	PWR-RPS2300=	Cisco Redundant Power System 2300 - power supply - redundant	1,284.25	2,568.50	624.00	1,248.00	733.26	1,466.52	706.20	1,412.40		0.00
4	C3K-PWR-750WAC=	Cisco Power Supply - Hot Plug - 750 Watt power supply for 24-port switch with 420W PoE	1,005.22	4,020.88	517.40	2,069.60	607.90	2,431.60	585.29	2,341.16		0.00
6	CAB-RPS2300=	Cisco GSA RPS CAB 2300 Non-ENET SW	146.57	879.42	78.00	468.00	91.66	549.96	87.75	526.50		0.00
**		<b>Cisco Infrastructure Upgrades &amp; Replacements Subtotal</b>		\$62,238.30		\$43,374.76	Incomplete	\$46,221.53		\$46,423.94		\$0.00

Quantity	Mfg. Part Number	Hardware / Software Item Description	M & K Construction Supply, LLC		NeTech Corporation		Next I.T.		Precision Data Products, Inc.		Roscor	
			Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt	Unit Cost	Ext. Amt
		<b>Streaming Video Equipment &amp; Service</b>							freight	98.00		
1	PEGvault-SD	LEIGHTRONIX Digital Video Encoder	4,014.00	4,014.00	2,735.00	2,735.00		0.00	2,628.80	2,628.80	2,391.00	2,391.00
1	PEGstream-SD	LEIGHTRONIX Live Streaming Media Encoder	5,334.00	5,334.00	3,625.00	3,625.00		0.00	3,487.40	3,487.40	3,396.00	3,396.00
1	PEG Stream	LEIGHTRONIX One Year Live Streaming Service	3,600.00	3,600.00	1,845.00	1,845.00		0.00	1,759.60	1,759.60	2,805.00	2,805.00
1	PEG Central	LEIGHTRONIX One Year Web Media Hosting and Streaming Video-On-Demand Service	3,585.60	3,585.60	3,065.00	3,065.00		0.00	2,925.60	2,925.60	2,794.00	2,794.00
		<b>Streaming Video Equipment &amp; Service Subtotal</b>		\$16,533.60		\$11,270.00		\$0.00		\$10,899.40		\$11,386.00
		<b>Miscellaneous Equipment Replacements</b>										
1	AirCheck	Fluke Networks Aircheck Wi-Fi Tester	2,503.20	2,503.20	2,118.00	2,118.00		0.00	1,839.02	1,839.02		0.00
1	CIQ-KIT	Fluke Networks CableQ Advanced IT Kit	2,148.85	2,148.85	1,711.00	1,711.00		0.00	1,480.32	1,480.32		0.00
1	AR100HD	APC NetShelter WX 13U Wall-Mount Enclosure	782.14	782.14	470.00	470.00		0.00	469.15	469.15		0.00
1	PS186A-R2	Black Box 6 Outlet Rackmount Power Strip	130.76	130.76	78.44	78.44		0.00	85.00	85.00		0.00
1	PSA1000MT3-12OU	Liebert PSA 1000MT - UPS, External 1000 VA power capacity, 6 min. battery run time (up to), 600 WATT power provided, AC 120V, 2 years Warranty	268.07	268.07	125.00	125.00		0.00	120.09	120.09		0.00
		<b>Miscellaneous Equipment Replacements Subtotal</b>		\$5,833.02		\$4,502.44		\$0.00		\$3,993.58		\$0.00

City of Wyoming  
Spring 2011 - Information Technology  
Bid Tabulation for Computer Hardware and Software

3/8/2011  
1:32 PM

Quantity	Mfg. Part Number	Hardware / Software Item Description	Secant		Tele-Rad, Inc.	
			Unit Cost	Ext. Amt	Unit Cost	Ext. Amt
<b>Mobile Unit Replacements</b>						
9	CF-31GA3AX1M	Panasonic Toughbook 31, Core i3 350M / 2.26 GHz, RAM – 4 GB, HDD 160 GB, HD Graphics, Gigabit Ethernet – WLAN: 802.11b/g/n, Bluetooth 2.1 EDR, Windows 7.0 Professional, 13.1” LED backlight TFT (Touch Screen) 1024 x 768	3,429.00	30,861.00	3,408.26	30,674.34
<b>Mobile Unit Replacements Subtotal</b>				\$30,861.00		\$30,674.34
<b>Cisco Infrastructure Upgrades &amp; Replacements</b>						
1	CISCO2921-SEC/K9	Cisco 2921 Security Bundle w/SEC license PAK	2,159.65	2,159.65		0.00
1	HWIC-2FE	Cisco HWIC-2FE	681.50	681.50		0.00
2	AIR-LAP1142N-A-K9	Cisco Aironet 1140 Series Access Point-Dual-band 802.11 a/g/n	467.65	935.30		0.00
2	AIR-PWRINJ4=	Cisco Power Injector	70.03	140.06		0.00
4	WS-C2960S-24TD-L	Cisco Catalyst 2960S 24 GigE, 2 x 10G SFP+ LAN Base	2,112.65	8,450.60		0.00
4	CON-SNT-2960S2TD	Cisco SMARTNET 8x5xNBD Cat 2960S Stk24 GigE, 2x10G SFP+ LAN Base	285.00	1,140.00		0.00
4	WS-C2960S-48FPS-L	Cisco Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base	3,522.65	14,090.60		0.00
4	CON-SNT-2960S4FS	Cisco SMARTNET 8x5xNBD Cat 2960S Stk48 GigE, PoE 740W, 4xSFP Base	285.00	1,140.00		0.00
8	C2960S-STACK	Cisco 2960S FlexStack Stack Module optional for LAN Base	705.00	5,640.00		0.00
2	SFP-10G-LRM=	Cisco 10GBase-LRM SFP+ Module for MMF	608.65	1,217.30		0.00
2	CAB-MCP-LC=	Cisco IEEE 802.3z-compliant optical fiber assembly consisting of a single-mode fiber permanently coupled off-center to a 62.5-micron multimode optical fiber with duplex SC connectors at one end and duplex LC connectors at the other end. The patch cord is 1 meter (3.28 feet) in length	335.00	670.00		0.00
2	PWR-RPS2300=	Cisco Redundant Power System 2300 - power supply - redundant	564.00	1,128.00		0.00
4	C3K-PWR-750WAC=	Cisco Power Supply - Hot Plug - 750 Watt power supply for 24-port switch with 420W PoE	467.65	1,870.60		0.00
6	CAB-RPS2300=	Cisco GSA RPS CAB 2300 Non-ENET SW	70.50	423.00		0.00
**		<b>Cisco Infrastructure Upgrades &amp; Replacements Subtotal</b>		\$39,686.61		\$0.00

Quantity	Mfg. Part Number	Hardware / Software Item Description	Secant		Tele-Rad, Inc.	
			Unit Cost	Ext. Amt	Unit Cost	Ext. Amt
<b>Streaming Video Equipment &amp; Service</b>						
1	PEGvault-SD	LEIGHTRONIX Digital Video Encoder		0.00		0.00
1	PEGstream-SD	LEIGHTRONIX Live Streaming Media Encoder		0.00		0.00
1	PEG Stream	LEIGHTRONIX One Year Live Streaming Service		0.00		0.00
1	PEG Central	LEIGHTRONIX One Year Web Media Hosting and Streaming Video-On-Demand Service		0.00		0.00
<b>Streaming Video Equipment &amp; Service Subtotal</b>				<b>\$0.00</b>		<b>\$0.00</b>
<b>Miscellaneous Equipment Replacements</b>						
1	AirCheck	Fluke Networks Aircheck Wi-Fi Tester		0.00		0.00
1	CIQ-KIT	Fluke Networks CableQ Advanced IT Kit		0.00		0.00
1	AR100HD	APC NetShelter WX 13U Wall-Mount Enclosure	480.00	480.00		0.00
1	PS186A-R2	Black Box 6 Outlet Rackmount Power Strip		0.00		0.00
1	PSA1000MT3-12OU	Liebert PSA 1000MT - UPS, External 1000 VA power capacity, 6 min. battery run time (up to), 600 WATT power provided, AC 120V, 2 years Warranty	133.00	133.00		0.00
<b>Miscellaneous Equipment Replacements Subtotal</b>			Incomplete	<b>\$613.00</b>		<b>\$0.00</b>

# Memorandum

**To:** Curtis Holt, City Manager  
Barb Van Duren, Deputy City Manager

**From:** James. W. DeLange, Chief Building

**Date:** March 9, 2011

**Re:** Fee Schedule Amendments

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This office has reviewed building permit fees related to commercial and industrial projects. Staff compared fee calculation methods used by various communities, and by the State of Michigan. Some utilized a dual or multi faceted scale related to project construction value. It is our opinion that a similar method would be more equitable to large projects than the straight fee calculation multiplier that is used currently.

Attached are sample fee schedule amendments implementing a reduced fee calculation for projects of over 15 million dollars in construction value. This revised calculation methodology retains reasonable revenue streams and offers development incentive to large projects desiring to locate in the City of Wyoming.

Also listed are amendments addressing fees related to recent ordinance changes for temporary signs. This fee amount remains the same as that used prior for trailer (portable) signs. This revised schedule lists various sign types affected, and provides information for reference in the Zoning Code in order that an individual can look up sign specifics.

I will be available at the City Council work session March 14, 2011 to answer any questions on this proposal.

## II - BUILDING INSPECTIONS DEPARTMENT

### APPEALS:

Construction Board of Appeals	\$ 350.00
Housing Board of Appeals	250.00
Zoning Board of Appeals	
Residential (one - and two-family) and accessory uses	275.00
All other uses	525.00
Special meeting (requested by petitioner)	300.00

For the purpose of computing fees based on valuation, all construction cost other than for residential buildings, including underground and surface improvements, shall be based upon the value of cost of a building project as determined by the contract price, including all subcontracts such as electrical, plumbing, mechanicals, parking lots, etc. Evidence of these costs shall be presented to the Building Official by the building applicant.

### Fee for work without a permit:

If any work is commenced before a permit is obtained, an administrative investigation and process fee equivalent to 200% of the appropriate fee set forth herein shall be paid to the City before a permit is issued.

### BUILDING PERMITS:

***Commercial, industrial, and multi-family estimated construction value/permit formula***  
***Base Fee- first \$1,000 of value 60.00***  
***\$1,000 - \$15 million cost – base fee & \$7.00 per \$1,000 value, plus 25% plan review***  
***\$15 million and over cost – use above rate, then add \$5 per \$1,000 cost and 20% plan review for balance of project value***

### Construction costs for *residential* valuation computation (per sq. ft.)

#### Basic costs:

1st Floor (including one bath)	60.00
2nd Floor	40.00
Unfinished walkout	2,000.00
Finished walkout area	25.00
Porches and decks (per sq. ft.)	12.00
Attached accessory buildings, garage, etc.	15.00
Detached accessory buildings, garage, etc. (more than 120 sq. ft.)	12.00
Fireplace chimney with one fireplace	2,000.00
Additional fireplace on same chimney	750.00
Extra full bath	1,200.00
Extra half bath	850.00

### Miscellaneous building/land use fees:

#### Sign permits (per sign):

Permanent	100.00
<b><i>Temporary Signs (per week)</i></b>	<b><i>35.00</i></b>

***-including trailer mount, banners, flags, streamers, flags, streamers, balloons.***

***- for specific requirements see City Zoning Code Chapter 90, Article XXIII Signs***

<b><i>Pedestrian sign (annual)</i></b>	<b>35.00</b>
Bonding and insurance fees related to Section 1906.1 of the City Code follow:	
Construction bond	1,000.00
Insurance (City named as additional insured)	200,000.00
Portable (per week)	35.00
Gasoline, explosive oils and naphtha storage tank installation	140.00
Gasoline station storage tank permits (abandoned or closed gas stations, per tank)	\$ 70.00
Initial license	700.00
Annual renewal	350.00
Peat mining	
Initial license	700.00
Annual renewal	350.00

Extra Inspection: fees and deposits

1. Extra inspection fees and deposits shall apply only to projects where the building permit is issued for \$250,000 or less of construction value as determined by the Code.
2. "Extra inspection" shall mean any building inspection in addition to the inspections listed below:
  - a. Residential house, addition and alteration permits: foundation rough-in, final, plus one additional;
  - b. Residential garage, pools, and miscellaneous permits: 2 inspections;
  - c. Commercial/industrial/multi-family permits: foundation, rough, firestop, final plus one addition; and
  - d. Sign permits: 2 inspections.
3. A fee of \$40.00 shall be charged for each extra inspection.
4. A fee of \$60.00 per inspection shall be charged for requested inspections where no permit is required.
5. Deposits for extra inspection fees:  
Each building and sign permit applicant shall pay a \$120.00 deposit in addition to any permit fees. The deposit will be held by the City and shall be refunded at the close of the permit if extra inspections are not required. Any extra inspections shall be charged against the deposit balance (at a rate of \$40.00 per inspection). If the balance becomes zero, the City may issue a stop-work order until an additional deposit of \$120.00 is paid. Expired permits and occupancy or use prior to receiving final approval or a Certificate of Occupancy shall result in forfeiture of the deposit.
6. Under special circumstances, an inspector, with the approval of the Chief Inspector, may waive an extra inspection fee.

Electrical Permits:

Base permit fee	\$	50.00
Minimum fee, new construction		
Single-family (this fee covers all wiring installed)		200.00
Two-family (this fee covers all wiring installed)		265.00
Services and subpanels:		
200 amperes (each)		23.00
400 amperes and over	\$	70.00
Primaries		70.00
Temporary Service (each location)		23.00
Meter Set		35.00
Each circuit of wiring		7.00
Buss duct and feeders (each 50' or part thereof)		7.00
Lighting fixtures (per 25 or part thereof)		7.00
Range, water heater, dryer, dishwasher, disposal, gas furnace, oil furnace (each)		15.00
Motors:		
Fractional hp (each)		7.00
1 to 5 hp incl		15.00
5 ½ to 30 hp incl		23.00
30 ½ to 75 hp incl		30.00
Over 75 hp		55.00
Transformers <i>or generators</i> :		
Up to 5 KVA (each)		7.00
Over 5 KVA (each)		35.00
Over 200 KVA (each)		70.00
Illuminated signs, per circuit		17.00
Fixed heating devices:		
Up to 5 KW (each)		7.00
5 KW and over		15.00
Luminous gas tube system transformers:		15.00
Fire Alarms		
1-10 devices		70.00
11-20 devices		130.00
over 20 devices (each )		7.00
Temperature Control (each)		60.00
Telecommunications and Data		
1-10 devices		60.00
11-20 devices		115.00
over 20 devices (each )		6.00

Special fees:

1. Hazardous location area wiring, as defined in Chapter 5 of the Michigan Electrical Code, double fee rate.
2. More than one violation compliance inspection, \$60.00 each inspection.

3. For required inspection of electrical apparatus for which no fee is herein provided and for inspection of temporary installations for decorative, advertising and theatrical purposes, \$60.00 per permit or \$60.00 per inspection where no permit is required.
4. \$60.00 per hour for requested inspections of existing buildings where no permit is required.
5. \$60.00 per hour for a requested written inspection report.
6. Electrical contractor's license, \$60 for term of license.
7. Factory electrical license, \$60 for term of license.
8. Fire alarm contractor, \$60 for term of license.
9. Sign specialty contractor, \$60 for term of license.

Mechanical (Heating, Cooling, Air Conditioning) Permits:

Base inspection fee	\$ 50.00
Residential:	
Gas/oil furnace	40.00
Air conditioning:	
Under 15 hp	23.00
15 hp to 50 hp	45.00
Commercial/industrial/other residential (includes one inspection) plus equipment	40.00
Gas/oil burning equipment, new or conversion units, each	35.00
Flue damper/vent damper (each)	7.00
Solid fuel equipment, complete (includes chimney, woodstoves, fireplace stoves and add-on furnaces) each	23.00
Chimney, factory-built (Class A) (Includes breeching and combustion) each	35.00
Solar equipment, each panel (piping fee included) and tank	35.00
Gas piping, per outlet	7.00
Medical Gas	
1 – 10 outlets	70.00
10-20 outlets	130.00
over 20 outlets (each)	7.00
Air conditioning and refrigeration heat pumps, self contained:	
Under 15 hp, a/c each	23.00
Evaporator coils, each	35.00
Under 5 hp, split system, each	35.00
5 hp and over, split system, each	45.00
Chiller, each	105.00
Cooling towers, each	45.00

Compressor:		
15 hp to 50 hp, each		45.00
Over 50 hp, each		80.00
Air handlers, self-contained units:		
Ventilation and exhaust fans:		
Under 1,500 CFM, each		7.00
1,500 to 10,000 CFM, each		35.00
Over 10,000 CFM, each		70.00
Heat recovery units or thru-the-wall fan coil		
vents, each		17.00
Unit heater, each		23.00
Ducts, insulation, piping, fire suppression/protection		
systems based on bid price		
Under \$3,000	\$	30.00
\$3,000 to \$7,999		45.00
\$8,000 to \$10,999		60.00
\$11,000 to \$14,999		70.00
Over \$15,000 for each \$3,000 in additional to		
above rate		17.00
Electrical Air Cleaner		17.00
Special fees:		
1. More than one violation compliance inspection, \$60.00 each		
inspection.		
2. \$60.00 per hour for requested inspections of existing buildings		
where no permit is required.		
3. \$60.00 per hour for a requested written inspection report.		
4. Mechanical contractor's license, \$15.00 for term of license.		
Plumbing Permits:		
Base inspection fee		50.00
Water or sewer connections to public system, each:		
Residential (one- and two-family)		30.00
Multiple family/commercial		55.00
Industrial		90.00
Fixtures, each		7.00
Installed underground lawn sprinkler system		7.00
Special fees:		
1. More than one violation compliance inspection, 60.00 each		
inspection.		
2. \$60.00 per hour for requested inspections of existing buildings		
where no permit is required.		
3. \$60.00 per hour for a requested written inspection report.		
4. Plumbing license registration, Master \$15.00 for term of license.		
Rental Inspection Fees/Multiple Dwelling Units (4 or more)		
Per unit for inspection		98.00
Per unit for reinspection		90.00
Unregistered or uncertified rental properties		500.00