



MARSHALL CITY COUNCIL AGENDA

TUESDAY – 7:00 P.M.

January 21, 2014

- 1) **CALL TO ORDER**
- 2) **ROLL CALL**
- 3) **INVOCATION-** Richard Gerten, Family Bible Church
- 4) **PLEDGE OF ALLEGIANCE**
- 5) **APPROVAL OF AGENDA** – Items can be added or deleted from the Agenda by Council action.
- 6) **PUBLIC COMMENT ON AGENDA ITEMS** – Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on any agenda item.
- 7) **CONSENT AGENDA**

- A. **Economic Vitality Incentive Program – Consolidation of Services Plan** **P. 3**
 City Council will consider the recommendation to approve the submission of the Economic Vitality Incentive Program – Consolidation of Services Plan.
- B. **City Council Minutes** **P. 14**
 Regular Session..... Monday, January 13, 2014
- C. **City Bills** **P. 17**

Regular Purchases	\$ 255,382.05
Purchased Power.....	\$813,101.93
Weekly Purchases –1/3/14	\$ 74,495.25
Weekly Purchases –1/11/14.....	\$ 40,986.76
Total	\$ 1,183,965.99

8) PRESENTATIONS AND RECOGNITIONS

9) INFORMATIONAL ITEMS

- A. **Event Report – Ice, Wine, & Blues Fest** **P. 23**

10) PUBLIC HEARINGS & SUBSEQUENT COUNCIL ACTION

- A. **Adoption of the 2014 – 2020 Capital Improvement Program** **P. 24**
 City Council will hear public comment on the proposed 2014-2020 Capital Improvement Program document.

11) OLD BUSINESS

12) REPORTS AND RECOMMENDATIONS

13) APPOINTMENTS / ELECTIONS

14) PUBLIC COMMENT ON NON-AGENDA ITEMS

Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on any item not on the agenda.

Mayor:

James Dyer

Council Members:

Ward 1 - David Revore

Ward 2 - Nick Metzger

Ward 3 - Brent Williams

Ward 4 - Jack Reed

Ward 5 - Jody Mankerian

At-Large - Kathy Miller



15) COUNCIL AND MANAGER COMMUNICATIONS

16) ADJOURNMENT

Respectfully submitted,

A handwritten signature in black ink, which appears to read "Tom Tarkiewicz". The signature is written in a cursive style with a large, looping initial "T".

Tom Tarkiewicz
City Manager



ADMINISTRATIVE REPORT
January 21, 2014 – City Council Meeting

TO: Honorable Mayor and Council Members
FROM: Tom Tarkiewicz, City Manager
SUBJECT: Economic Vitality Incentive Program – Consolidation of Services Plan

BACKGROUND: Public Act 63 of 2011 eliminated Statutory Revenue Sharing and replaced it with the Economic Vitality Incentive Program (EVIP). Three items need to be submitted:

- Citizens Guide and Dashboard – October 1, 2013
- Consolidation of Services Plan – February 1, 2014
- Employee Benefit Plan – May 1, 2014

The Dashboard was submitted in September.

The proposed Consolidation of Services Plan is attached for your approval. EVIP requires the reporting of any cooperation & consolidation services, which has already occurred. It is also required to report, any possible cooperation or consolidation service ideas. Our new proposal is to discuss providing Dial A Ride service to Albion. We do not know what the State may do with these possible ideas, so we are being cautious in our submittal.

RECOMMENDATION: It is recommended that the Council approve the submission of the Economic Vitality Incentive Program – Consolidation of Services Plan

FISCAL EFFECTS: None, at this time.

ALTERNATIVES: As suggested by Council.

Respectfully submitted,

Tom Tarkiewicz
City Manager

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Economic Vitality Incentive Program Consolidation of Services:

2013 City of Marshall Cooperation,
Collaboration and Consolidation Plan

Presented by
Tom Tarkiewicz, City Manager

Issued on: January 21, 2014

CITY OF MARSHALL
ECONOMIC VITALITY INCENTIVE PROGRAM
LIST OF PREVIOUS CONSOLIDATED SERVICES

IT SERVICES (Marshall Public Schools)

The City and the Marshall Public Schools collaborated with Information Technology (IT) services. The employees of the Schools maintained the City's computer infrastructure. The Schools had to cancel the agreement because of their staffing level which did not have the capacity to handle the City's IT needs.

ANNUAL COST SAVINGS = \$0.00

LIBRARY AUTHORITY (Marshall District Library)

The Marshall District Library was formed to consolidate the City Library with financial support of the City and four Townships.

COST SAVINGS = Unknown

ASSESSING (Calhoun County)

The City and Calhoun County collaborated with Assessing services. The City appointed the County's Assessor and the County's Equalization Department provides the assessing services for the City. The County uses the City's Board of Review and City Attorney for assessing matters. The City's Administrative Assistant to the Assessor remains a City employee and works full-time at the County building.

ANNUAL COST SAVINGS = \$30,000

UNION CITY TAX BILLS (The Village of Union City)

The City provided folding/stuffing services to Union City for their summer, 2011 tax billing for approximately 800 pieces of mail. The City did not charge Union City for any service fees. This service was used during one tax season but has not reoccurred.

COMPOSTING CENTER (Calhoun County Road Commission)

The City of Marshall compost center operates from April through mid-November and is open to City of Marshall residents and all residents of Calhoun County. The operation is jointly funded by the City of Marshall and Calhoun County's solid waste fund.

ANNUAL COST SAVINGS = \$58,504

COMPOSTING EQUIPMENT CONSORTIUM (Berrien County, Three Rivers, and Coldwater)

The City of Marshall jointly owns a machine that is used to mix and chip material for compost production with three other communities. The equipment is rotated between communities and is maintained by the City of Coldwater.

ANNUAL COST SAVINGS = Unknown

SAFETY DAY (Village of Athens, Village of Union City, City of Springport, Village of Homer)

The City of Marshall has hosted an annual Safety Day in March and invites neighboring communities to participate. The participating communities help to reduce the cost per individual. Due to budget constraints. Safety Day has been replaced by department-sponsored monthly trainings that are offered internally.

ANNUAL COST SAVINGS = \$200

MIDEAL (State of Michigan)

MI DEAL (Michigan Delivering Extended Agreements Locally) allows Michigan local units of government to benefit from the State's negotiating and purchasing power by permitting them to purchase from the State's contracts on the same terms, conditions, and prices as State government. Locals benefit not only from the reduced cost of goods and services, but also from indirect savings related to writing specifications, researching industries, processing invitations to bid, recruiting a diverse pool of potential suppliers, and making awards.

ANNUAL COST SAVINGS = Unknown

MSCPA EQUIPMENT (Clinton, Hillsdale, Coldwater, and Union City)

The Michigan South Central Power Agency purchased two wire pullers that can be used by all of its members. The equipment is used to run new or faulty electrical lines.

COST SAVINGS = \$108,000

DPW GARAGE (Marshall Public Schools)

The City of Marshall shares a building with Marshall Public Schools which houses the Department of Public Works, school transit, and mechanics for both

agencies. The agreement helps to reduce maintenance and utility cost. During 2013, the Marshall Public Schools moved to another facility which better met their needs.

ANNUAL COST SAVINGS = \$0

SOUTH CENTRAL MICHIGAN PUBLIC WORKS MUTUAL AID GROUP (City of Albion, Village of Athens, City of Battle Creek, Calhoun County Road Commission, City of Charlotte, City of Coldwater, Village of Homer, City of Springfield, and Village of Tekonsha)

The City of Marshall has entered into a mutual aid agreement with nine other communities for public works assistance. The agreement states the equipment available and how each agency will be reimbursed.

COST SAVINGS = Unknown

SOUTHERN REBEL MUTUAL AID GROUP (Chelsea, Clinton, Coldwater, Dowagiac, Hillsdale, Niles, Paw Paw, South Haven, Sturgis, and Union City)

The City of Marshall has entered into a mutual aid agreement with ten other communities to provide Electric Distribution assistance. The agreement states the equipment available and how each agency will be reimbursed.

COST SAVINGS = Unknown

FIRE DEPARTMENT MUTUAL AID AGREEMENT (All fire departments in Calhoun County)

All municipalities and townships in Calhoun County, supporting a fire department, have agreed to supply equipment and personnel when needed in an emergency.

COST SAVINGS = Unknown

BREATHING AIR COMPRESSOR (Townships of Marengo, Marshall and Fredonia)

The Marshall Fire Department received a grant to purchase an air compressor to fill the SCBA tanks for all four departments.

INITIAL COST SAVING = \$35,200 ESTIMATED ANNUAL SAVINGS = \$1,000

AMBULANCE SERVICE TRAINING (MAFFA provides continuing education credits for fire department personnel)

Fire department personnel receive continuing education credits, provided by state licensed instructors, at no cost to the department. The credits are required to renew their medical licenses.

ANNUAL COST SAVINGS = \$600

COUNTYWIDE FIRE COMMUNICATIONS PURCHASE (Most of the fire departments in Calhoun County)

The Calhoun County Fire Chiefs Council received a grant to upgrade fire department communications throughout the county.

ONE TIME COST SAVINGS = \$70,350

AMBULANCE AUTHORITY (On August 3, 2004 nine Townships and the City of Marshall voted to form the Marshall Area Firefighters Ambulance Authority)

With the ambulance service and the fire department sharing living quarters, apparatus room space, and some office space, as well as some personnel, there has been some cost saving in both departments.

The MAFAA has relocated to a separate facility.

COST SAVINGS = Unknown

SWET (Drug Enforcement)

SWET is the cooperation of police agencies in Calhoun County in association with the Michigan State Police to combat drug activity and crime associated from drug activity. Currently there are grants covering 50% of the costs of personnel assigned to this unit to include salary, benefits and equipment.

ANNUAL COST SAVINGS = Approximately \$25,000

SOUTHEASTERN MICHIGAN POLICE TRAINING CONSORTIUM (Agencies in Calhoun, Jackson, Eaton, and Lenawee Counties)

This training consortium consists of police agencies in Calhoun, Jackson, Eaton, and Lenawee Counties. By combining resources and instructors, the agencies save money, time and travel expenses. The training is completed on a regular basis, and the yearly expenses are covered by 302 Training Funds. Last year we had an average cost of approximately \$50 per officer for yearly training. Some classes we attend outside of the consortium can cost \$300 per officer.

ANNUAL COST SAVINGS = Approximately \$4,000

EMMETT TOWNSHIP COMPUTER FORENSICS (Computer forensic analysis to include cell phones, electronic data collectors, image capturing)

Marshall Police Department has the capability to utilize this function at no expense. By sending the equipment to Emmett Township for analysis, we save time and expenses from travel, equipment purchasing and court testimony. The equipment for this function is approximately \$4,500 and training costs of \$2,000. This does not include manpower to process and testify in court. Cost savings is based on length of equipment use and manpower.

ANNUAL COST SAVINGS = Approximately \$2,000

CONSOLIDATED DISPATCH CENTER (Formation of the Calhoun County Consolidated Dispatch Authority, CCCDA)

In Fiscal Year 2010, the City of Marshall had a dispatch budget of \$257,866. In Fiscal Year 2011, the CCCDA was formed and the City of Marshall has a commitment of \$225,000 per year. This commitment is for five years but other funding sources are being discussed sooner than the five year commitment. The actual savings is at least the difference plus any possible increases in future years and equipment costs associated with dispatching.

ANNUAL COST SAVINGS = Approximately \$33,000

CENTER FOR ENTREPRENEURSHIP

Marshall Economic Development and Marshall DDA Main Street collaborated with numerous development entities to connect entrepreneurs and businesses to the resources necessary for them to establish and expand businesses in our region through the Center for Entrepreneurship (CfE).

The CfE is comprised of the Albion EDC, Battle Creek Area Chamber Foundation, Battle Creek Community Foundation, Battle Creek Unlimited, Generation E Institute, Kellogg Community College, Marshall Area Chamber of Commerce, Marshall Economic Development, Marshall Main Street, Michigan Works!, Michigan Small Business and Technology Development Center, Miller College, Nonprofit Alliance, and SCORE.

COST SAVINGS = Unknown

MICHIGAN DEPARTMENT OF TRANSPORTATION

The City of Marshall assists the MDOT with the maintenance of M227 and I94BL. The City also has partnered with MDOT for deicing materials storage.

COST SAVINGS = Unknown

METH LAB RESPONSE TEAM

City of Marshall in cooperation with Emmett Township, City of Albion, and the City of Springfield has developed an MOU to train and mobilize personnel to respond to Methamphetamine Labs in the event there is an active lab located. This will also include sharing of equipment and storage. This effort had no barriers as the members saw the critical need for the elimination of these dangerous labs and the protection & safety of the public and police officers.

TIMELINE – Discussions started in April of 2012. The project has been implemented. Started October 2012.

ESTIMATED SAVINGS: \$15,000

LABORATORY SERVICES

The City of Marshall is performing laboratory services for the Villages of Tekonsha, Union City and Parma for their water and wastewater departments. No barriers were encountered with this cooperative effort.

TIMELINE – The discussions started in October of 2012. The services have been instituted. Started November 2012.

POSSIBLE COST SAVINGS = \$6,000

CITY OF MARSHALL
ECONOMIC VITALITY INCENTIVE PROGRAM
FUTURE SERVICE CONSOLIDATION IDEAS

TRANSIT SERVICE (City of Albion)

The City of Marshall has begun discussions with the City of Albion to provide Dial-A-Ride transit services. The general concept would be to run a scheduled route between the two Cities. An additional bus and additional staff will be needed. Since Albion no longer has a hospital and Marshall has a regional healthcare complex, the residents of Albion will be able to have transportation services to Oaklawn Hospital. Also, Albion Public Schools have closed their high school and the Marshall Public Schools is providing this level of education to the Albion students, this will give additional transportation options to students. Marshall also can provide retail services which are not available in Albion.

TIMELINE – Review by July 2014.

ANNUAL COST SAVINGS – Unknown at this time.

COMPREHENSIVE ECONOMIC DEVELOPMENT STRATEGY (CEDs) (Counties of Calhoun, Branch, Barry, Kalamazoo, and St. Joseph)

A five county collaboration for regional development strategy is being developed. This process will make EDA grants potentially available to the five county region as well as develop a more active regional planning authority.

TIMELINE – The CEDs working Group is expecting a six month process – July 2014.

POSSIBLE COST SAVINGS = Unknown

CANCELLED FUTURE SERVICE CONSOLIDATION IDEAS

IT SERVICES (Calhoun County)

The City will be discussing with Calhoun County to collaborate for IT services. The request will be, that the County IT department provides all needed IT services. After thorough review, this collaboration did not happen due to actual increased costs that the County would charge the City.

TIMELINE – Review by June 2013. Consolidation idea cancelled March of 2013.

ANNUAL COST SAVINGS = Approximately \$0

SAFETY TRAINING CONSORTIUM (Coldwater, Niles, Paw Paw, Dowagiac, and Sturgis)

The City of Marshall has entered into an agreement with five other communities in order to obtain monthly safety training for the electric distribution personnel. The training costs are shared amongst the members. Barriers have occurred at this time in scheduling of the consortium and trainer. Due to an opportunity with American Municipal Power of Columbus, Ohio, the City determined a safety training program with 132 municipals in seven states would be tried.

TIMELINE – Started discussions in January of 2012 and final review by June 2013. Consortium idea cancelled March of 2013.

ANNUAL COST SAVINGS = Unknown,

FUEL PURCHASING

The City will be coordinating fuel purchases with Marshall Public Schools. After thorough review, this collaboration did not happen due to coordination problems with the vendors.

TIMELINE – Review by June 2013. Consolidation idea cancelled April of 2013.

POSSIBLE COST SAVINGS = Unknown

CITY OF MARSHALL
ECONOMIC VITALITY INCENTIVE PROGRAM
ACTIVE SERVICE CONSOLIDATION PLAN

JOINT POLICE FACILITY (Michigan State Police and Calhoun County Sheriff)

An EVIP study grant was received in January of 2012. A study was initiated in August of 2011 and completed in January of 2012 to build a facility to combine three police agencies at one location. Discussions with the three parties continued during 2012. This will allow for shared space, combined assets, and shared personnel resources. Actual current savings is approximately \$40,000 through a grant for the initial development stage. If the building is built, the costs associated will be greatly reduced to the City of Marshall because of the shared space being divided and the costs shared. This will also provide a different funding option the City of Marshall can utilize that would not be available if a structure needed to be built individually.

The City received a \$674,254 CGAP grant to support a two party building with the Marshall Police Department and the Michigan State Police. The Calhoun County Sheriff had submitted a CGAP grant request for their portion of the building but was denied. The City has applied for a CGAP grant to fund the City's and County's share of the building. Based on the approval of the current grant request, it is anticipated that construction will occur during 2014, with occupancy in July of 2015. The barriers encountered were the delay in decisions from Calhoun County and the time frame that the State needs for the project implementation.

TIMELINE – After receiving notification of the Michigan State Police allocation and the CGAP grant award, construction will begin in April of 2014 and construction should take 15 months.

ESTIMATED COST SAVINGS = \$1,000,000 to \$1,500,000 in building costs plus additional savings on continual maintenance and utility costs.

CALL TO ORDER

IN REGULAR SESSION Monday, January 13, 2014 at 7:00 P.M. in the Council Chambers of Town Hall, 323 West Michigan Avenue, Marshall, MI, the Marshall City Council was called to order by Mayor Dyer.

ROLL CALL

Roll was called:

Present: Council Members: Mayor Dyer, Mankerian, Metzger, Miller, Reed, and Williams.

Also Present: Director of Public Services Fedders and Clerk Nelson.

Absent: Council Member Revore.

Moved Miller, supported Reed, to excuse the absence of Council Member Revore. On a voice vote – **MOTION CARRIED.**

INVOCATION/PLEDGE OF ALLEGIANCE

Brandon Crawford of Grace Baptist Church gave the Invocation and Mayor Dyer led the Pledge of Allegiance.

APPROVAL OF THE AGENDA

Moved Metzger, supported Williams, to approve the agenda as presented. On a voice vote – **MOTION CARRIED.**

PUBLIC COMMENT ON AGENDA ITEMS

Amy Brown from PCS talked about their proposal submitted for the IP Telephone System.

Theresa Chaney-Huggett commented about the adjusted business plan for the Bed and Breakfast at 414 W. Mansion. The plan was changed from 4 bedrooms to 3.

Charles Boyda commented regarding the Bed and Breakfast at 414 W. Mansion.

Dave Westhoff commented regarding the outdoor pool for the Bed and Breakfast.

CONSENT AGENDA

Moved Williams, supported Metzger, to approve the Consent Agenda:

- A. Scheduled a public hearing for Tuesday, January 21, 2014 to hear public comment on the proposed 2014-2020 Capital Improvement Program;
- B. Approve a resolution allowing the Marshall Firefighters Association to be recognized as a nonprofit organization for the purpose of obtaining a charitable gaming license;
- C. Approve minutes of the City Council Regular held on Tuesday, December 3, 2013;
- D. Approve city bills in the amount of \$ 1,484,257.28.

On a roll call vote – ayes: Mankerian, Metzger, Miller, Reed, Williams, and Mayor Dyer; nays: none. **MOTION CARRIED.**

PRESENTATIONS AND RECOGNITIONS

None.

INFORMATIONAL ITEMS

None.

PUBLIC HEARINGS & SUBSEQUENT COUNCIL ACTION

None.

OLD BUSINESS

None.

REPORTS AND RECOMMENDATIONS

- A. Approve Special Land Use #SLU13.02 for 414 W. Mansion, Bed & Breakfast Inn:**

Moved Williams, supported Miller, to approve the Planning Commission's recommendation to approve Special Land Use #13.02 for 414 W. Mansion, to open a Bed & Breakfast Inn under the condition that pool hours are regulated to 9:00 a.m. to 10:00 p.m. daily for paying guests. On a roll call vote – ayes: Metzger, Miller, Reed, Williams, Mayor Dyer, and Mankerian; nays: none. **MOTION CARRIED.**

- B. Automotive Hoist Purchase:**

Moved Miller, supported Mankerian, to approve the purchase of a mobile hoist from CTT Equipment for the amount of \$30,395. On a roll call vote – ayes: Reed, Williams, Mayor Dyer, Mankerian, Metzger, and Miller; nays: none. **MOTION CARRIED.**

C. Approval of Amended Offer for Acquisition of East Michigan Avenue Fire Station Site:

Moved Williams, supported Metzger, to approve the First Amended Offer to Purchase Real Estate from Golden Rule LLC. On a roll call vote – ayes: Miller, Reed, Williams, Mayor Dyer, Mankerian, and Metzger; nays: none. **MOTION CARRIED.**

D. IP Telephone System Proposal:

Moved Williams, supported Metzger, to approve the purchase of an IP Telephone System from All-Tronics of Battle Creek, MI in the total amount of \$74,616. On a roll call vote – ayes: Mankerian, Metzger, Miller, Reed, Williams, and Mayor Dyer; nays: none. **MOTION CARRIED.**

APPOINTMENTS / ELECTIONS

PUBLIC COMMENT ON NON-AGENDA ITEMS

None.

COUNCIL AND MANAGER COMMUNICATIONS

ADJOURNMENT

The meeting was adjourned at 8:35 p.m.

James L. Dyer, Mayor

Trisha Nelson, City Clerk

INVOICE NUMBER	VENDOR NAME	DESCRIPTION	AMOUNT
28704	ABLE HEATING & COOLING SERVICE CALL - ZONE VALVE NOT WORKING		
20130074	AETISTRY TECHNOLOGIES, WEBSITE HOSTING JAN--DEC 2014		188.00
20130075	AETISTRY TECHNOLOGIES, WEBSITE HOSTING JAN--DEC 2014		600.00
SCL 10003314	ALEXANDER CHEMICAL COR:DEPOSIT REFUND		550.00
SLS 10013133	ALEXANDER CHEMICAL COR:CHLORINE & SULFUR DIOXIDE		(400.00)
131210677	AMBS CALL CENTER	ANSWERING SERVICE	1,376.00
12-706791	ARROW UNIFORM	CUST #010198-04	234.90
12-699218	ARROW UNIFORM	CUST #010198-01	63.05
12-699223	ARROW UNIFORM	CUST #010198-04	26.37
12-699225	ARROW UNIFORM	CUST #010198-05	62.30
12-706793	ARROW UNIFORM	CUST #010198-05	20.00
12-706790	ARROW UNIFORM	CUST #010198-02	20.00
12-699222	ARROW UNIFORM	CUST #010198-02	56.09
12-699224	ARROW UNIFORM	CUST #010198-03	56.09
12-706792	ARROW UNIFORM	CUST #010198-03	153.20
12-706786	ARROW UNIFORM	CUST #010198-01	153.20
12-714566	ARROW UNIFORM	CUST #010198-02	45.87
12-714568	ARROW UNIFORM	CUST #010198-03	56.09
12-714561	ARROW UNIFORM	CUST #010198-01	153.20
12-714567	ARROW UNIFORM	CUST #010198-04	26.37
12-714569	ARROW UNIFORM	CUST #010198-05	50.54
388-104456-01	AUSTIN-BATTERIES PLUS	18W LIGHT BULBS	30.55
388-162983	AUSTIN-BATTERIES PLUS	BATTERIES	167.76
225-340224	AUTO VALUE MARSHALL	POWERATED BELT	23.04
225-339264	AUTO VALUE MARSHALL	PWR STR FL	24.98
225-340233	AUTO VALUE MARSHALL	PIGTAIL & SOCKET	9.09
225-339282	AUTO VALUE MARSHALL	WIPER BLADES	4.99
225-339982	AUTO VALUE MARSHALL	PLASTIC WELD, AUTOMATIC TORCH	10.98
225-338635	AUTO VALUE MARSHALL	REEL, HYD FITTINGS	54.44
225-340257	AUTO VALUE MARSHALL	DSL EXH FLUID	35.30
85154-A	B S & A SOFTWARE	2ND PAYMENT FOR CEMETERY MNGMNT & PROJ M	15.87
123113	BAKER TOOL RENTAL & STIMINI		1,062.50
010314	BAKER TOOL RENTAL & STIMINI EX		400.00
011013	BAKER TOOL RENTAL & STIMINI EX		175.00
121913	BEAUTIFUL MOMENTS PHOTOPRINTS		175.00
69902	BOSHEARS FORD SALES INC(2009 FORD BUS		30.00
81298902	BOUND TREE MEDICAL LLC GLOVES		115.28
64975	BUDGET DRAIN CLEANING	WATER SOFTENER ROOM	204.00
57297	C2AE	ARCHITECTURAL SERVICES FOR FIRE STATION	217.50
911-GOVAGENCY-20131	CALHOUN COUNTY CONS DI:2014 1ST QUARTER PAYMENT FOR DISPATCH		28,167.00
2632	CB HALL ELECTRIC COMPAIBASEBOARD THERMOSTAT IN FIRE DEPT		26,706.50
2643	CB HALL ELECTRIC COMPAIPUBLIC RESTROOM @ PSB		104.00
14760	CEREAL CITY WINDOW CLE/WINDOW CLEANING		265.00
STREETS-2014-00000	CITY OF BATTLE CREEK	QUARTERLY TRAFFIC SIGNAL MAINT	210.00
1300012640	CITY OF JACKSON	MCOLES LED	526.22
CVC11348	CIVIC SYSTEMS LLC	SEMI-ANNUAL SUPPORT FEES JAN-JUNE 2014	448.93
7305	COBAN TECHNOLOGIES	SUB DASH PLATE	5,286.00
623893	COMMERCIAL OFFICE PROD/TONER		110.00
IN37529	CORNERSTONE OFFICE SYS:SHIPPING CHG		244.78
9111	COURTNEY & ASSOCIATES	DECEMBER 2013 SERVICES	7.00
755862	CRYSTAL FLASH ENERGY	PROPANE	250.00
610002007	CRYSTAL FLASH ENERGY	DIESEL FUEL	26.27
118409	D & D MAINTENANCE SUPP:HYFOR GREEN ANTIBAC		1,359.55
118641	D & D MAINTENANCE SUPP:MOP		63.90
69932	DADOW POWER EQUIPMENT	PIN, STOPS, QUICK LOCK, NUT, WASHER	39.75
440628	DARLING ACE HARDWARE	BAR FLAT, STEEL ANGLE	38.89
440044	DARLING ACE HARDWARE	WASHERS	17.97
440839	DARLING ACE HARDWARE	NUTS, BOLTS, FASTENERS	2.50
440176	DARLING ACE HARDWARE	DYSON PARTS	12.84
440478	DARLING ACE HARDWARE	FASTENERS, DRILL BIT, SCREWDRIVER SET	62.00
440164	DARLING ACE HARDWARE	SPRING SNAP LINKS, RING KEY SPLIT	39.45
440625	DARLING ACE HARDWARE	KEY	16.85
440661	DARLING ACE HARDWARE	OUTLET COVERS	1.99
440256	DARLING ACE HARDWARE	JUNCTION BOX LIGHT	2.57
441038	DARLING ACE HARDWARE	SCREWDRIVER	23.94
26467	DAVIS & STANTON	UNIFORM COMMENDATION BARS, HOLDERS	4.99
2075107905-10	DAVIS CONSTRUCTION INC WWTP IMP		166.00
2075107905-11	DAVIS CONSTRUCTION INC WWTP IMP		87,524.23
11080	ERIC DALE HEATING & A/DIAGNOSTIC ANALYSIS		16,765.06
MIMA150225	FASTENAL COMPANY	SUPPLIES	144.00
MIMA150200	FASTENAL COMPANY	SUPPLIES	99.70
MIMA150312	FASTENAL COMPANY	PB DOM 5/8-11X3 P	7.15
MIMA150208	FASTENAL COMPANY	JANITORIAL SUPPLIES	82.80
MIMA150144	FASTENAL COMPANY	WATER METER SUPPORT	390.08
MIMA150100	FASTENAL COMPANY	T-BOLT CLAMPS	51.30
199292	FIRST ADVANTAGE LNS OC/CLINIC COLLECTION, DRUG TEST		18.52
13-3344	FIRST DUE FIRE SUPPLY	SAN BROWN 6.25 FF SHIELD	79.05
13-3056	FIRST DUE FIRE SUPPLY	TIE DOWN KEYS W/JHOOK	47.99
13-2935	FIRST DUE FIRE SUPPLY	SAM BROWN 6.25 FF SHIELD	52.86
			98.60

INVOICE NUMBER	VENDOR NAME	DESCRIPTION	AMOUNT
13-3404	FIRST DUE FIRE SUPPLY	SAM BROWN 6.25 FF SHIELD	88.40
010314	FREDONIA TOWNSHIP FIRE	54" LED ARROW BOARD LIGHT W/CONTROL ASSY	580.00
2817	FUG	20 NAVY FOLD-UP BEANIES	200.00
11-15154	GARAGE DOORS UNLIMITED	MAINTENANCE BAY DOOR REPAIR	1,780.00
70497	HERMANS MARSHALL HARDW	ZIP TIES	4.69
72841	HERMANS MARSHALL HARDW	BOOT TRAYS, BRUSH	18.47
72512	HERMANS MARSHALL HARDW	DE-ICER	11.96
72511	HERMANS MARSHALL HARDW	3# MAUL HAMMER	15.99
55003	HUNTER PRELL COMPANY	TEST BACKFLOW PREVENTERS	198.00
55005	HUNTER PRELL COMPANY	TREST BACKFLOW PREVENTERS @ MH	198.00
55004	HUNTER PRELL COMPANY	ANNUAL BACKFLOW TESTS	672.73
55006	HUNTER PRELL COMPANY	ANNUAL BACKFLOW TEST	114.00
87114	J & K PLUMBING SUPPLY	COVER PLATE, TRIM SLEEVE, ESCUTCHEON SCR	36.76
S102214855.001	J.O. GALLOUP COMPANY	PIPE FITTINGS FOR NEW WATER METER	167.68
010114	JIMMY'S JOHNS	KETCHUM PARK	111.25
122613	K-MART	DECEMBER CHARGES	448.40
310027	KAR LABORATORIES INC	MERCURY ANALYSIS	260.00
310352	KAR LABORATORIES INC	CYANIDE ANALYSIS	100.00
5819	KELLOGG'S REPAIR	GARAGIGRASSHOPPER PARTS	99.80
5841	KELLOGG'S REPAIR	GARAGIGRASSHOPPER REPAIR	2,640.15
26502	LAKELAND ASPHALT	CORPOICOLD PATCH	821.63
1029117	LEGG LUMBER	CRONIN BLDG - CAM LATCH, FLASHING, ROOF	41.46
1029281	LEGG LUMBER	RURAL MAILBOX BLACK	20.99
8935	LEWEY'S SHOE REPAIR	BOOT ALLOWANCE - CINDY MURPHY	250.00
8914	LEWEY'S SHOE REPAIR	SEW POCKET	5.00
9050	LEWEY'S SHOE REPAIR	BOOT ALLOWANCE - EGNATUK	100.00
4693	LOU'S GLOVES INC	LAB GLOVES	172.00
16800	MARSHALL MEDICAL ASSOC	RAMEY, DIXON	166.00
1553	MARSHALL TIRE CITY	4 TIRES	691.96
1418	MARSHALL TIRE CITY	RPR 1 TIRE ON TRUCK/TRAILER	120.69
2013162	MAXIMUM AMMUNITION LLC	STREAMLIGHT STRION LED, GOGGLES, HEAT SL	319.30
69821095	MCMASTER-CARR	PADLOCKS	128.50
LI13284	MESSICK'S LANCASTER TR	PARTS FOR LEAF LOADERS	661.40
27166	MMEA	MEMBERSHIP DUES AND SPECIAL ASSESMENT	11,778.00
80267101	MSC INDUSTRIAL SUPPLY	(MARKING PAINT	351.60
INV66801	MUNICIPAL SUPPLY CO.	NO LEAD MUELLER BRASS PARTS	2,419.13
INV66855	MUNICIPAL SUPPLY CO.	NO LEAD MUELLER BRASS PARTS	243.70
E11665A	MWEA	WEDNESDAY NIGHT LODGING FOR ALEC EGNATUK	80.00
E11800	MWEA	ASSET MANAGEMENT PLAN SEMINAR	125.00
E11943	MWEA	AARON AMBLER, OPERATORS DAY 2014	340.00
RINV02781797	MY ALARM CENTER	ALARM MONITORING	78.00
357046	NAPA OF MARSHALL	OIL FILTER	8.16
365810	NAPA OF MARSHALL	LUCAS FUEL TREAT	137.88
366945	NAPA OF MARSHALL	AIR HOSE REPAIR	5.75
366683	NAPA OF MARSHALL	BELT	4.79
362085	NAPA OF MARSHALL	POWER SERVICE DIESEL	111.48
365809	NAPA OF MARSHALL	LUCAS FUEL TREAT	80.43
90111620	NORFOLK SOUTHERN CORPO	MAINT & OPERATION OF FLASHERS @ LINDEN	750.00
446812	NYE UNIFORM COMPANY	JOB SHIRT	87.38
447648	NYE UNIFORM COMPANY	PANT BELT	19.50
446392	NYE UNIFORM COMPANY	SHIRTS, PANTS, BELT	437.40
447277	NYE UNIFORM COMPANY	JOB SHIRT	81.03
446814A	NYE UNIFORM COMPANY	BELT, BRASS, HAT BAND, COAT, SHIRT, HAT,	348.45
5791261	POWER LINE SUPPLY	LED COBRA HEAD	13,142.00
5791485	POWER LINE SUPPLY	2/0 URD ALUMINUM WIRE	1,090.00
5791487	POWER LINE SUPPLY	1/0 ALUMINUM TRIPLEX-NERITINA	1,080.00
5791488	POWER LINE SUPPLY	25KV PIN INSULATOR	594.72
5791489	POWER LINE SUPPLY	GUY STRAIN	375.30
5791486	POWER LINE SUPPLY	U-GUARD	462.50
111718	PRECISION PRINTER SERV	SERVICE ON PLOTTER	378.00
13-6221	QUALITY EXCAVATORS,	INHAULING PLOW TRUCK TO GRAND RAPIDS	1,375.00
13-6222	QUALITY EXCAVATORS,	IN TRIAXLE TRUCK - HAULING SNOW	1,080.00
8900	RADIO COMMUNICATIONS	MINITOR V BATTERY PACK	40.00
8899	RADIO COMMUNICATIONS	CABLE, QW152	64.00
8894	RADIO COMMUNICATIONS	CLEANING FLUID, RPR RADIO	99.00
8850	RADIO COMMUNICATIONS	REMOVE MVR SYSTEM FROM M-6	67.50
I1312058309	REALPAGE INC	02/01/14 THRU 01/31/15	398.79
70505181	ROSE PEST SOLUTIONS	PEST CONTROL AT MH	55.00
299972	SD MYERS	OIL SAMPLE TESTING	1,817.00
47124	SOIL AND MATERIAL ENGI	GEO TECH BORINGS FIRE DEPARTMENT	8,050.00
17155	SPECTRUM ENGINEERING	CELECTRIC SYSTEM STUDY	5,475.00
299972	STAFFORD-SMITH INC	ICE MACHINES	5,491.00
SA000024506	STANARD & ASSOCIATES,	FIREFIGHTER TESTS	120.00
29361	STANDARD PRINTING & O	DELIVERY CHARGE	7.00
753571	STANTEC CONSULTING MIC	CONSTRUCTION ENGINEERING SERVICES	2,932.00
7000959452	STAPLES CONTRACT & COM	IMAGES BLACK	24.99
7000955905	STAPLES CONTRACT & COM	COPY PAPER	299.12
7000993315	STAPLES CONTRACT & COM	TONER, TISSUES, HILITERS	266.99
96575676	STATE INDUSTRIAL PROD	SCRUB SKIN CLEANER	153.00

01/15/2014 10:21 AM
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DB: Marshall

(LAST USED) APPROVAL LISTING FOR CITY OF MARSHALL
EXP CHECK RUN DATES 01/23/2014 - 01/23/2014
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OPEN

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INVOICE NUMBER	VENDOR NAME	DESCRIPTION	AMOUNT
848931	STATE OF MICHIGAN	ANNUAL BIOSOLIDS FEE	2,608.96
180879-00	TOLEDO PE SUPPLY CO.	BALLS, WRISTBANDS	253.62
77825	TRI AIR TESTING INC	NFPA 1989 2013 EDITION AIR ANALYSIS	152.00
243650082	U.S. BANK EQUIPMENT FIC	CONTRACT #500-0337004-000	70.94
INV070133	UNITED LABORATORIES	FORMULA TLD15 BAT/CLNR, ELEC LUBE	338.01
1-1193436	VALLEY TRUCK PARTS	TRUCK 304 DRIVELINE REPAIR	2,379.38
419210	WALTERS-DIMMICK PETROL	#2 GREASE	94.56
			255,382.05



MICHIGAN SOUTH CENTRAL POWER AGENCY

720 HERRING ROAD • LITCHFIELD, MICHIGAN 49252
 PHONE (517) 542-2346 • FAX (517) 542-3049
 www.mscca.net

ORIGINAL INVOICE

MARSHALL CITY ELECTRIC DEPARTMENT
 323 WEST MICHIGAN AVENUE
 MARSHALL, MICHIGAN 49068
 Attn: Mr. Tom Tarkiewicz

Invoice Date: 15-Jan-14
 Due Date: 31-Jan-14
 Service From: 01-Dec-13
 To: 31-Dec-13

Peak Demand 16,768 kw
 Total Energy Received 9,275,652 kWh
 Hydro Generation 91,413 kWh
 Net Billing kWh's 9,184,239 kWh

Area	Entitlement %	Operating and Maintenance Costs	Debt Service Costs and Capacity Credits	Total
PROJECT 1-ENDICOTT	24.0%	525,839.66	-	525,839.66
PROJECT 2	24.0%	-	-	-
PRAIRIE STATE	16.7%	38,920.55	54,657.43	93,577.98
MENOMINEE HYDRO	24.0%	31,107.79	-	31,107.79
OCONTO FALLS HYDRO	24.0%	8,789.38	-	8,789.38
AFEC	12.3%	70,268.61	29,837.25	100,105.86
AMP CONTRACTS	11.6%	133,735.18	-	133,735.18
CVEC	0.0%	-	-	-
MISO PURCHASES	8.9%	31,677.76	-	31,677.76
MISO SALES	13.0%	(91,979.95)	-	(91,979.95)
TRANSMISSION	27.2%	(43,240.09)	-	(43,240.09)
MISO	16.6%	5,059.39	-	5,059.39
SUBSTATION	34.4%	-	-	-
ADMINISTRATION	16.6%	18,428.97	-	18,428.97
MEMBER	12.3%	-	-	-
MEMBER HYDRO	0.0%	-	-	-
CAPACITY	12.3%	-	-	-
RATE STABILIZATION		-	-	-
TOTAL COST		\$ 728,607.25	84,494.68	813,101.93
		\$/kWh 0.07933	0.00920	0.08853
CREDITS		\$ -	-	-
		\$/kWh 0.00000	0.00000	0.00000
NET COST		\$ 728,607.25	84,494.68	813,101.93
		\$/kWh 0.07933	0.00920	0.08853

Pay this amount \$ 813,101.93

Any amounts due and not paid by the due date shall bear interest at the rate of 1% per month until paid.

User: ctanner

EXP CHECK RUN DATES 01/03/2014 - 01/03/2014

DB: Marshall

UNJOURNALIZED OPEN

BANK CODE: MAIN

INVOICE NUMBER	VENDOR NAME	DESCRIPTION	AMOUNT
135300805600	BAC TAX SERVICES CORP	REFUND TAX OVERPAYMENT P/N 13-53-008-05	1,586.48
32-054000-36	BARIL, RENEE	UTILITY DEPOSIT REFUND	78.76
122613	BEARDSLEE LAW OFFICES	DECEMBER SERVICES	1,005.75
122713	BJORNSON JR, WILLIAM	REFUND SECURITY DEPOSIT	119.00
14065N	BOSHEARS FORD SALES I	2014 FORD ESCAPE	23,193.00
14064N	BOSHEARS FORD SALES I	2014 FORD ESCAPE	23,193.00
122713	CALHOUN COUNTY TREASU	11/16/13--11/30/13 2013 SUMMER AD VALOR	4,011.75
122713	CALHOUN INTERMEDIATE	11/16/13--11/30/13 2013 SUMMER AD VALOR	1,103.74
010114	CHEMICAL BANK SOUTH	HSA ACCOUNT DEPOSITS	8,156.25
623900	COMMERCIAL OFFICE PRO	CRTDG, TAPE, PLNR, MARKERS	95.70
204651646841	CONSUMERS ENERGY	1000 0916 3435	1,071.19
204651646840	CONSUMERS ENERGY	1000 0916 3203	132.41
204651646843	CONSUMERS ENERGY	1000 0916 3971	2,058.50
202782740256	CONSUMERS ENERGY	1030 0915 7670	44.25
203850708062	CONSUMERS ENERGY	1000 6710 1772	25.54
203672720540	CONSUMERS ENERGY	1000 5741 9077	514.01
206431456921	CONSUMERS ENERGY	1000 0759 4680	491.92
204651646842	CONSUMERS ENERGY	1000 0916 3708	376.70
135331305500	DELL EQUIPMENT FUNDIN	REFUND TAX OVERPAYMENT P/N 13-53-313-05	33.40
135331227100	DELL EQUIPMENT FUNDIN	REFUND TAX OVERPAYMENT P/N 13-53-312-27	8.31
135330001195	DELL EQUIPMENT FUNDIN	REFUND TAX OVERPAYMENT P/N 13-53-300-01	2.73
122313	GORDON, DOROTHY	ENERGY OPTIMIZATION - REFRIGERATOR	25.00
10-004000-13	HAYCOOK, ROBERT	REFUND UTILITY DEPOSIT	68.98
21-007000-02	HRAB, ANDREW	REFUND UTILITY DEPOSIT	95.65
122713	KELLOGG COMMUNITY COL	11/16/13--11/30/13 2013 SUMMER AD VALOR	637.11
122813	LESLIE COPELAND	PAY FOR P/E 12/28/13	60.00
3960-1213	MARSHALL COMMUNITY CU	3960 - SCHWARTZ	1,169.39
3507-1113	MARSHALL COMMUNITY CU	3507 - MCDONALD	641.31
122713	MARSHALL DISTRICT LIB	11/16/13--11/30/13 2013 SUMMER AD VALOR	589.28
122713	MARSHALL PUBLIC SCHOO	11/16/13--11/30/13 2013 SUMMER AD VALOR	2,056.61
122913	MCFADDEN, RODNEY	MEALS	50.00
122613	MCFADDEN, RODNEY	HEADLIGHT FOR 300 DIGGER TRUCK	21.19
135300243200	MERCHANT, SHARON	REFUND TAX OVERPAYMENT P/N 13-53-002-43	122.72
122913	MEYER, STEVE	MEALS	50.00
010314	MICHIGAN LOCAL GOVERN	MLGMA CONFERENCE - TOM TARKIEWICZ	275.00
30-032300-27	RECKER, KYLE	REFUND UTILITY DEPOSIT	13.06
249-004053474	REPUBLIC SERVICES #24	ACCT #3-0249-1022021	728.28
123113	SANDS, RUSS	ENERGY OPTIMIZATION	56.25
012314	SHAVER, MERLIN	VFW RENTAL	50.00
224843832-092	SPRINT	ACCT #224843832	253.41
122913	TICE, LUCAS	MEALS	50.00
122613	TOLLERUD, ADAM	ENERGY OPTIMIZATION - FURNACE & THERMOS	165.00
7-003600-15	TRECHA, MATTHEW	REFUND UTILITY DEPOSIT	11.31
24-033800-02	TRI-STATE HOLDINGS LL	REFUND UTILITY DEPOSIT	3.31
			74,495.25

INVOICE NUMBER	VENDOR NAME	DESCRIPTION	AMOUNT
ALLMI550-0114	ALLSTATE WORKPLACE DI	POLICY #ALLMI550	752.03
27-080700-05	BRUCE SMITH	REFUND UTILITY OVERPAYMENT	48.40
123113 LB	CALHOUN COUNTY TREASU	2013 SUMMER & WINTER LAND BANK	2,987.34
123113	CALHOUN INTERMEDIATE	2013 SUMMER & WINTER LAND BANK	196.38
40040482	CITGO	DECEMBER CHARGES	7,836.32
010214	CROOKS, JEFF & NANCY	PRESCRIPTION REIMBURSEMENT	15.00
010314	EMERSON, STEVEN	CDL TESTING & LICENSE	168.00
2-500-65891	FEDEX	SHIPMENT TO ANTHONY LYLES	26.06
010714	FISHER, CHARLIE	SCHOOL LUNCH	12.34
010717	FREDS, MATT	SCHOOL LUNCH	14.36
010214	GRABLE, JOYCE	PRESCRIPTION REIMBURSEMENT	80.00
1110595	GRIFFIN PEST SOLUTION	323 W MICHIGAN AVE	33.00
010714	HAGAMAN, CAROL	PRESCRIPTION REIMBURSEMENT	20.00
010914	JAMES SCHWARTZ	PRESENTATION MEAL REIMBURSEMENTS	63.00
010814	JOE DELAPAS	JURY DUTY MILEAGE	5.40
010814	JOHN GALLOWAY	BOOF ALLOWANCE	105.99
123113	KELLOGG COMMUNITY COL	2013 SUMMER & WINTER LAND BANK	113.87
82130231059095-011	LOWES BUSINESS ACCOUN	821 3023 105909 5	72.20
123113	MARSHALL AREA FIRE FI	2013 SUMMER & WINTER LAND BANK	7.85
3507-1213	MARSHALL COMMUNITY CU	3507 - MCDONALD	68.71
123113	MARSHALL DISTRICT LIB	2013 SUMMER & WINTER LAND BANK	84.53
123113	MARSHALL PUBLIC SCHOO	2013 SUMMER & WINTER LAND BANK	593.91
010814	MERSON, PHILLIP	ENERGY OPTIMIZATION - FURNACE & THERMOS	165.00
010814	MOFFIT, BRIAN	ENERGY OPTIMIZATION - FURNACE & THERMOS	165.00
010814	MYERS, ALICE	PRESCRIPTION REIMBURSEMENT	20.00
366459	NAPA OF MARSHALL	HEADLAMP, ELECTRICAL TAPE	10.27
122813	NOWLIN, JAMES	PRESCRIPTION REIMBURSEMENT	130.01
27-015800-02	PHILLIP C ROCHELLE	REFUND UTILITY OVERPAYMENT	200.00
603551782034889312	STAPLES CREDIT PLAN	6035 5178 2034 8893	107.96
38-6004708-0114	STATE OF MICHIGAN	38-6004708 DEC 2013, SALES TAX #160	26,229.98
010814	THRALL, CHARLES	ENERGY OPTIMIZATION - FURNACE & THERMOS	165.00
010714	TICE, LOCAS	SCHOOL LUNCH	18.76
1-003800-06	TRAVER, BILL	REFUND UTILITY OVERPAYMENT	40.54
2803380002	TRI-STATE HOLDINGS LL	REFUND UTILITY OVERPAYMENT	22.62
010814	WEYER, ANDY	FOOD REIMBURSEMENT FOR FIRE DETAIL	33.02
10040269-1213	WOW! BUSINESS	ACCT #010040269	373.91
			40,986.76

EVENT REPORT

EVENT: Ice, Wine, & Blues Fest

EVENT LOCATION: North Jefferson Street

SPONSOR: Pastrami Joe's

EVENT DATE: February 7, 2014

EVENT TIMEFRAME: 5pm – 9pm

MDOT PERMIT REQUIRED: YES NO

MDOT PERMIT GRANTED: YES NO **DATE:**

ROAD CLOSURE TIMEFRAME: 5pm – 9pm

ROAD CLOSURE DETAIL: North Jefferson Street from Michigan Avenue to Mansion Street

EVENT CLOSURE DETAIL: North Jefferson Street from Michigan Avenue to Mansion Street

DETOUR DETAIL: None

EVENT DETAIL: Hot air balloon "candle sticking" and Hot Chocolate distribution

PARKING PROHIBITION: No on-street parking on Jefferson Street. From Michigan Avenue to Mansion Street

COUNCIL NOTIFICATION DATE: January 21, 2014



ADMINISTRATIVE REPORT
January 21, 2014 - CITY COUNCIL MEETING

REPORT TO: Honorable Mayor and City Council Members
FROM: Natalie Dean, Director of Community Services
Tom Tarkiewicz, City Manager
SUBJECT: Adoption of the 2014-2020 Capital Improvement Program

BACKGROUND: Each year, the City of Marshall must prepare a six-year capital program that is formally adopted by City Council. This six-year capital improvement program, commonly referred to as "the CIP", is the guide for future capital needs and resource allocation for the City of Marshall. The proposed CIP is published on the City's website at:
http://www.cityofmarshall.com/system/res/1097/original/CIP_2014-2020.pdf.

Beginning in September, staff updates the previous year's CIP to address the changes impacting the six-year plan and to add the latest fiscal year to the six-year plan, in this case 2014-2020. This year, the Director of Community Services assembled the data and the City Manager and Director team analyzed the needs and the potential revenue sources.

The Planning Commission's role in the CIP is to review the sections that pertain to planning and address any issues that pertain to the City's Master Plan. They held a public hearing at its December 11, 2013 meeting where no public comment was offered. Subsequently, the Planning Commission accepted and recommended their portion of the CIP to the City Council with no suggestions or changes.

RECOMMENDATION: After public comments are heard, Council is being asked to formally adopt the 2014-2020 Capital Improvement Program document as presented, with or without changes.

FISCAL EFFECTS: None at this time.

ALTERNATIVES: As suggested by Council.

Respectfully submitted,

Natalie Dean
Director of Community Services

Tom Tarkiewicz
City Manager

323 W. Michigan Ave.
Marshall, MI 49068

p 269.781.5183

f 269.781.3835

cityofmarshall.com

CITY OF MARSHALL
2014 - 2019 CAPITAL IMPROVEMENT PLAN

Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	Project Narrative/Purpose	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure	Impact on Operating Budget
Airport	Maintenance Bay Roof Repair	1	20	General Fund	Roof over the maintenance bay, which is currently leased out is in need of multiple repairs.	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	Reduction in maintenance expenses.
Airport	Terminal Building Study	2	20	General Fund 5%, FAA Allocation 90%, State 5%	The existing terminal building, due to it's age, requires improvements to maintain the use of the building.	\$1,500	\$0	\$0	\$0	\$0	\$28,500	\$30,000	Reduction in maintenance expenses.
Airport	Taxistreet Rehabilitation	2	20	General Fund 5%, FAA Allocation 90%, State 5%	The most recent PCI rated these pavements between 41-55, indicating the need for rehabilitation. Since these pavements service the majority of the hangers on the field, they need to be maintained free of debris.	\$13,500	\$0	\$0	\$0	\$0	\$256,500	\$270,000	Reduction in maintenance expenses.
Airport	Runway Extension Environmental Study	3	30	General Fund 5%, FAA Allocation 90%, State 5%	An environmental assessment will be necessary to document any potential environmental issues associated with the runway extension.	\$0	\$0	\$0	\$5,000	\$0	\$95,000	\$100,000	None.
Airport	Runway Extension justification study	3	30	General Fund 5%, FAA Allocation 90%, State 5%	Since more than ten years will have elapsed since the ALP update, it will be necessary to assess current FAA criteria related to runway layout, as well as provide justification for the runway extension which will be used in the purposed and need section of the environmental assessment.	\$0	\$0	\$0	\$1,250	\$0	\$28,750	\$30,000	None.
Airport	Preliminary Engineering for Runway Extension to Support Environmental Assessment	3	15	General Fund 5%, FAA Allocation 90%, State 5%	Engineering will be necessary to determine grading limits and general runway layout for the EA document. This will include approach assessments for obstruction removal.	\$0	\$0	\$0	\$1,500	\$0	\$28,500	\$30,000	None.
Airport	Pavement Marking and Crack Sealing	2	10	General Fund 5%, FAA Allocation 90%, State 5%	Replacement of pavement markings and crack sealing as necessary	\$0	\$1,000	\$0	\$0	\$0	\$19,000	\$20,000	None
Airport	Terminal Building Construction	2	30	General Fund 5%, FAA Allocation 90%, State 5%	The existing terminal building, due to it's age, requires improvements to maintain the use of the building.	\$0	\$0	\$15,677	\$0	\$0	\$297,861	\$313,538	Reduction in maintenance expenses.
Cemetery	Cemetery Water Distribution System	2	20	Cemetery Trust Fund	Replacing the current water distribution system will eliminate line breaks which will result in reduced water usage as a result of the leaks.	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000	Will reduce water loss and maintenance costs due to the age of the current system. Needs to be done prior to road paving.
Cemetery	Cemetery Road Paving Project	2	20	Cemetery Trust Fund	Finishing the drives in the cemetery will provide a clean and solid surface during inclement weather for those visiting their loved ones during a funeral service.	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$40,000	Will reduce the need to haul in gravel to build up the drives so that visitors to the cemetery will not be driving or stepping in the mud.
Cemetery	Cemetery Expansion to Meet Future Demand	2	150	Cemetery Trust Fund	Cemetery has four sections left holding 600 spaces for purchase. The number available will shrink exponentially as families begin having trouble finding blocks of spaces available for family plots. This will drive many to seek alternate locations.	\$0	\$40,000	\$40,000	\$40,000	\$40,000	\$0	\$160,000	Money to come from Trust Fund.
City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection), 20% Building Authority Bond (Fire/City Hall Renovation Bond)	Project will replace loose stones and joints on the façade of City Hall. It will be sealed appropriately to keep building viable.	\$0	\$0	\$9,500	\$9,500	\$0	\$76,000	\$95,000	Decrease maintenance and energy efficient.
City Hall	Interior Restoration, Painting & Flooring	4	15	General Fund	Interior has cracks in plaster and peeling paint. Areas of floor need repair and replacement. Restoration is to keep building viable for office space.	\$0	\$35,000	\$0	\$0	\$0	\$0	\$35,000	Maintenance.
Dart	Bus Replacement	4	7	100% Fed/State Grant	Replacement of busses for local transportation services. Replacement criteria based on age/mileage of vehicle	\$0	\$152,000	\$158,000	\$82,000	\$0	\$0	\$392,000	Vehicle maintenance costs increase with age and usage.
Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	Construction of a pavilion to provide minimal shelter for Farmers' Market and other community activities. As the demand for "farm to food" and "buying local produce" continues, federal tax dollars are being earmarked for Farmers' Market projects. Staff will monitor the availability of grants for this project, and research potential location(s).	\$0	\$0	\$0	\$35,000	\$0	\$315,000	\$350,000	None.
Downtown Development Authority	Market Study	1	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	Market Study Update for the City of Marshall – including all commercial districts and corridors into the city. This study is an important tool for recruiting new businesses, and providing information to existing businesses for marketing, promotions and business expansion ideas.	\$0	\$5,000	\$0	\$0	\$0	\$3,000	\$8,000	None.

CITY OF MARSHALL
2014 - 2019 CAPITAL IMPROVEMENT PLAN

Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	Project Narrative/Purpose	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure	Impact on Operating Budget
Electric	Breaker Maintenance	1	5	Electric Fund	Circuit breakers are mechanical devices that require periodic maintenance to ensure proper operation. A popular misconception is that if a circuit breaker has not tripped due to an over current it is in original condition. In fact, a circuit breaker that sits without opening over long periods can have performance issues. The lubrication of the mechanism, which is vital for its proper operation, can degrade or dry over time and affect the circuit breaker's ability to operate properly. A circuit breaker also can be damaged or degraded after interrupting a fault.	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000	
Electric	Engine #3 & #6 gauge panel replacement	3	20	Electric Fund	One panel replacement each year will modernize control packages for engine control of the city's two newest, largest and most economical engines most requested to run by MSCPA. It will incorporate PLC control and graphic units using touch screen display, a data highway suitable for SCADA interface, one touch start/stop sequence, critical alarm and shutdown inputs, vibration monitoring and fuel/air ratio.	\$80,000	\$0	\$0	\$0	\$0	\$0	\$80,000	Presumed savings unknown. \$8,000 depreciation.
Electric	Overhaul West Well pump	2	10	Electric Fund	Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance. This is recommended by yearly testing.	\$0	\$0	\$15,000	\$0	\$0	\$0	\$15,000	\$1,500 depreciation per year.
Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	Microprocessor based protective relaying will be installed on transformers that do not currently have protection and replace current electro/mechanical relays on other transformers. This relaying will open the circuit breaker or breakers in the event of a fault that could harm equipment and personnel and provide feedback to the SCADA to assist the operator in locating or preventing faults.	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000	Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. \$1000 depreciation.
Electric	Repair Blockhouse Walls	2	50	Electric Fund	Concrete block walls are crumbling along roof line and are in need of repair as detailed in the facilities management plan	\$0	\$0	\$6,000	\$0	\$0	\$0	\$6,000	Restoration of block walls. \$120 depreciation
Electric	Repair Brick (re-tuck joints & seal)	2	50	Electric Fund	General maintenance of brick structures as detailed in the facilities management plan	\$0	\$0	\$40,000	\$40,000	\$0	\$0	\$80,000	Repair brick, re-tuck joints and seal. \$160000 depreciation
Electric	Replace Windows	2	50	Electric Fund	Existing windows are the original single pane steel framed and not energy efficient at all. Many of the window sills and frames are deteriorated to the point that water is coming in and further damaging the building.	\$0	\$95,333	\$95,334	\$95,334	\$0	\$0	\$286,001	Estimate based on no asbestos. Must meet historical restoration guidelines. \$5720 depreciation
Electric	Tree Removal/Replacement Program	2	50	Electric Fund	Removal and replacement of trees that need to be trimmed from overhead lines to the extent that they are structurally, physical unsound, unhealthy and unsightly. The tree will be completely removed and replanted with a lower growing species.	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$25,000	Reduction of customer outages, storm damage, repairs and increased reliability.
Electric	Recondition #1 Hydro	3	30	Electric Fund	Improve the efficiency of the hydro power supply generated by the river flow.	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000	\$2,250 depreciation expense per year.
Electric	Recondition #3 Hydro	3	30	Electric Fund	Improve the efficiency of the hydro power supply generated by the river flow.	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$2,500 depreciation expense per year.
Electric	Rewind Generator #2	3	30	Electric Fund - Bond	The insulation is showing signs of aging. It is beginning to lose some of its insulating properties and will need to be replaced eventually in order to continue operating the equipment.	\$132,000	\$0	\$0	\$0	\$0	\$0	\$132,000	\$4,400 depreciation expense per year.
Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	The current equipment is reaching a size that if one transformer is out of service generation is utilized to prevent overloading the other transformer. Future distribution lines need to be 12kv and we are out of available breakers now. This project will depend on many variables and fits nicely into priority 3. If we don't have the money we probably don't have the need.	\$2,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$5,000,000	Anticipated load growth may substitute this project to service our customers in a safe efficient manner.
Electric	Relocation of Overhead Electric in South Alley between Jefferson Street and Hamilton Street and Eagle Street to Grand Street to Underground.	3	35	Electric Fund - Bond	The relocation of the overhead power lines in the South Alley between Jefferson and Hamilton and Grand and Eagle will complete the project that was started in 2007. This relocation will aid in fire responses and also help to clean up the rear facades of the business downtown.	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000	Increase safety.
Electric	Rewind Generator #5	3	30	Electric Fund - Bond	The insulation is showing signs of aging. It is beginning to lose some of its insulating properties and will need to be replaced eventually in order to continue operating the equipment.	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000	\$4,833 depreciation expense per year.

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Electric	Upgrade Transformer in South Substation	4	30	Electric Fund - Bond	The transformer is circa 1972 that tests okay as of now but will need replacement in the future.	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	No direct cost or savings. \$6,667 depreciation.
Electric	Powerhouse and Engine #6 building lighting fixtures.	2	20	Electric Fund	Replacement of old inefficient T12 lighting with energy efficient T8 lighting in the Powerhouse and Engine #6 building	\$13,000	\$0	\$0	\$0	\$0	Energy Optimization	\$13,000	May be able to utilize rebate funds from the Energy Optimization Program
Electric	Retrofit Breakers in Plant #1 Switchgear	4	30	Electric Fund	Switchgear is 1950's vintage that tests okay now but will need replacement in the future. Retrofitting of modern breakers in place of original is deemed to be the most cost effective way of bringing old gear up to date.	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$100,000	No direct cost or savings. \$5,000 depreciation.
Electric	Meter / Relay Calibration	1	3	Electric Fund	Regular inspection and maintenance of relays is paramount in protecting electrical systems from unscheduled outages. Relays will nuisance trip when set too low or if not coordinated, the wrong relay may trip and bring down a large portion of the system. Many factors can influence the operation of protective relays. These include changes in load, replacement of equipment, dust or dirt from the environment or age.	\$0	\$0	\$25,000	\$0	\$0	Energy Optimization	\$25,000	To provide a safe efficient operation we do meter calibration to maintain accuracy, relay calibration to maintain safety and protection of the distribution lines and infrastructure.
Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund - Bond	Most of the older poles in the City of Marshall are Creosote treated poles and have a life expectancy of 30-40 years. However, Creosote, is not environmentally acceptable by today's standards. In most recent history, the City has purchased Penta and CCA treated poles. Many of the poles in the City of Marshall's electric system have aged way beyond 60 years and are in desperate need of replacement. We would like to implement a plan to replace several poles and conductor (if needed) per year to get the poles in the system more environmentally friendly and safe.	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$0	\$400,000	System reliability with a reduction in maintenance and overtime trouble calls.
Electric	Regulators	1	25	Electric Fund	To maintain the voltage at the customer's service within the acceptable range, electrical distribution utilities use regulating equipment at electrical substations or along the distribution line. At a substation, the step-down transformer will have an automatic on-load tap changer, allowing the ratio between transmission voltage and distribution voltage to be adjusted in steps. For long distribution circuits, automatic voltage regulators may be mounted on poles of the distribution line. These are autotransformers again with on-load tap changers to adjust the ratio depending on the observed voltage changes. At each customer's service, the step-down transformer has up to five taps to allow some range of adjustment, usually ±5% of the nominal voltage. Since these taps are not automatically controlled, they are only used to adjust the long-term average voltage at the service and do not regulate the voltage seen by the utility customer.	\$0	\$55,000	\$0	\$0	\$0	\$0	\$55,000	Increase quality of electricity.
Electric	Circuit Reclosers and SCADA Operated Sectionalizing	1	20	Electric Fund	Auto-reclosers are used in coordinated protection schemes for overhead line power distribution circuits. Auto-recloser/sectionalizing switches will make several pre-programmed attempts to re-energize the line unlike blown fuses which require manual replacement. Auto-reclosers are made in single-phase and three-phase versions. Controls for the auto-reclosers range from the original electromechanical systems to digital electronics with metering and SCADA functions.	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	System reliability with a reduction in maintenance cost and overtime trouble calls.
Electric	Upgrade Plant #1 House Power Panels	1	30	Electric Fund	Maintain the equipment for safe and efficient operation by upgrading fuse-type panels with newer circuit breaker panels through a 4-year program. Old panels and wiring have been in place for 50+ years and could become a fire hazard.	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$15,000	No direct cost or savings. \$500 depreciation.
Electric	Station Battery Replacement	1	20	Electric Fund	Due to the age and critical nature of the battery banks, which are relied on to operate relays and breakers, staff feels they both should be replaced at this time.	\$8,000	\$0	\$0	\$0	\$0	\$0	\$8,000	These batteries are starting to show signs of deterioration in the plates and cracking on the top covers of several cells at the posts. Due to the age and critical nature of the battery banks to operate relays and breakers in an outage staff feels they both should be replaced at this time.
Electric	Powerhouse Medium Voltage Switchgear and Generator #6 Switchgear	1	10	Electric Fund	Cleaning, visual inspection and testing of switchgear, bus and equipment which hasn't been done for an unknown amount of time and should be done on a regular basis.	\$22,500	\$0	\$0	\$0	\$0	\$0	\$22,500	Cleaning of switchgear, bus and equipment to prevent tracking and arcing between components and reliability.

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Electric	Replacement of major pole mounted with critical circuits leaving the powerhouse substation	1	50	Electric Fund	Replace of substation exit pole which handles 3 critical circuits on the cities system. Pole is very old, rotting, cracked and bowed, This would be a catastrophic failure if pole fails.	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	System reliability and hardening of critical system pole,
Electric	Raceway/Dam Maintenance	2	20	Electric Fund	Maintain the structures for safe & efficient operations to meet FERC mandates/licensing. This is a 5-year maintenance program of the concrete structures.	\$15,000	\$15,000	\$0	\$0	\$0	\$0	\$30,000	No direct cost or savings. \$750-\$1,500 depreciation.
Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	To allow a small work force to operate the equipment as needed by MSCPA and the customers of the City of Marshall.	\$0	\$0	\$15,000	\$0	\$0	\$0	\$15,000	Due to the limited work force and the anticipated equipment, it is felt engine protection systems should be upgraded closer to today's standards and technology. With only one operator per shift, it is difficult to be with all of the engines at the same time and to catch a sudden drop in pressure or an increase in temperature before damage is done.
Electric	Pole Inventory and inspection	1	10	Electric	Project will update the GIS by collecting vital information to improve efficiency of the electric department when responding to routine maintenance and emergency responses. Information collected will include size, type, attachments, and condition. Project will also include photographing the poles and labeling them.	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$40,000	Increase in department efficiency
Electric	Embankment Project	2	50	Electric Fund - Bond	The FERC is requesting that all trees, stumps and root system systems be removed from the earthen embankment between the spillway's. This will require a geotechnical investigation be completed to determine to what extent the embankment must be excavated and replaced. This budgetary number was created assuming the entire embankment would need to be removed and reconstructed.	\$805,000	\$0	\$0	\$0	\$0	\$0	\$805,000	Expected Federal Regulatory Energy Commission (FERC) requirement.
Electric	Automated Meter Information Project	2	20	Electric Fund - Bond or Installment Purchase Contract	This system will automate the collection of meter readings and data from a centrally located facility eliminating the need for door to door readings, reduce or eliminate inaccurate readings and flag problems or tampering with a meter. This system will also provide us with an Outage Management System (OMS), pinpointing back to what device (Breaker, Recloser, Fuse) the outage originates from therefore reducing outage response time. The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the proposed "mPower Innovations" AMI/OMS software. The system will be scalable and capable of pulling in all other available and future layers and data sources.	\$625,000	\$0	\$0	\$0	\$0	\$0	\$625,000	Increase on meter reading efficiency
Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	The underground electric in this neighborhood originated in the mid 1960's. Generally speaking underground electric becomes unreliable after 20 years and reaches the end of its life at approximately 25 - 35 years. Due to the age of the infrastructure, we recommended replacing existing primary and secondary lines.	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000	System reliability with a reduction in maintenance and overtime trouble calls.
Electric	Circuit Upgrade	3	50	Electric Fund - Bond	New poles and reconductor 3 phase from corner of High St & E Prospect east to N Liberty, north on Liberty to Forest, west on Forest to N Marshall, north on N Marshall to North Drive, west on North Drive to dead-end pole. High St from E Prospect north to Forest currently only single phase.	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	
Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund or FEMA Grant with a 5% match	With our turn-out gear being quickly outdated and non-compliant, it is imperative to set up a program to not only keep our fire fighters in current gear but to lessen the financial burden of having to make a one time purchase. This CIP should be placed in perpetuity so as to keep up with the ever changing standards and rules for protective clothing.	\$10,000	\$10,500	\$11,000	\$11,500	\$0	\$0	\$43,000	Currently the State of Michigan has mandated that all structural fire fighting protective clothing must meet or exceed the 2000 edition of the National Fire Protection Association's standard for structural fire fighting protective clothing, 24 of our fire fighters have this gear. 10 of our fire fighters are issued the 1997 edition of the N.F.P.A. standard for gear or in a combination thereof.

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Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	P.A.S.S. devices attached to turn out gear, are a means by which if a fire fighter becomes incapacitated, trapped, or disoriented, the device can activate an audible alarm, either automatically (motionless for 30 seconds) or manually (by the fire fighter), to let others know that the fire fighter is in distress and needs assistance. Our P.A.S.S. devices currently have a time weighted thermal exposure alarm (so many degrees times so many minutes), too. This notifies the fire fighter that they are in an atmosphere that's exceeding the protection limits of their turn out gear. This project is renewed every 5 years to be in compliance with manufacturer's recommendation and MIOSHA standards.	\$0	\$12,250	\$0	\$0	\$0	\$0	\$12,250	Our current inventory of P.A.S.S. Devices, purchased in 2004, are quickly reaching their end of life. Grace Industries, the manufacturer of our Super PASS II, lists in their instruction and maintenance guide that the device needs to be retired from service 3-5 years from the date of purchase, depending on use and abuse. This is supported by N.F.P.A. 1982, 2007 edition and is adopted by MIOSHO by reference (1998 edition) in Part 74, Standards for Fire Fighting.
Fire	SCBA Masks	1	7	General Fund	It is the intent of the Marshall Fire Department to provide safety equipment that meets and/or exceeds industry standards. This project will allow the agency to provide SCBA breathing equipment that is fit tested and assigned to each firefighter. Doing so relieves undue hazards and risks to the firefighters and liability to the City of Marshall.	\$6,000	\$6,000	\$6,000	\$3,000	\$0	\$0	\$21,000	The current condition of the SCBA masks are approximately 14yrs old. Recently all firefighters retrieve a mask that is stored in the fire apparatus. The current protocol has a firefighter retrieve one of those masks from the apparatus. This will allow the department to issue a mask specifically to each firefighter to assure compliance and best practices. We will also have masks available on the apparatus in case of malfunction or other needs.
Marshall House	Apartment Remodeling - 100 Units	1	15	Marshall House Fund	Remove old and replace with new cabinets, countertops and floor coverings with vinyl base. Current items from original construction in 1979.	\$104,244	\$104,244	\$104,244	\$104,244		HUD Replacement Reserve	\$416,976	Add depreciation expense of \$7,000 annually.
Marshall House	Annual Vacancy Maintenance	1	5	Marshall House Fund	Carpeting, painting, vinyl and (4) ADA tub replacements when units become vacant.	\$10,000	\$10,000	\$10,000	\$0		\$0	\$30,000	To provide a clean & healthy unit that meets Fair Housing Requirements
Marshall House	Refurbish Canopy and Balcony	2	4	Marshall House Fund	Sandblast and paint entrance canopy and balcony	\$20,160	\$0	\$0	\$0	\$0	\$0	\$20,160	To improve the deficiency rating from the REACS Physical Assessment of the building.
Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	Remove 1 1/2" of asphalt and pave new 1 1/2" layer of asphalt with 5 year seal coat and striping (43340 sq ft).	\$0	\$65,010	\$0	\$0	\$0	\$0	\$65,010	The minimal maintenance adds to the useful life of the parking lot.
Marshall House	Replace Fire Board and Alarm System	1	1	Marshall House Fund	Original system is at the end of its useful life.	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000	The servicer is unable to obtain replacement parts due to the discontinued status of the units. Professionals have recommended replacement due to the critical nature of the units.
Marshall House	Sidewalk Replacement	2	1	Marshall House Fund	Allowance for replacement of deteriorated concrete sidewalk (10% replacement)	\$6,885	\$6,885	\$6,885	\$6,885	\$6,885	\$0	\$34,425	To improve the visible faults in the pavement and walkways and improve the deficiency rating from a Physical Assessment of the building.
Marshall House	Smoke Detector Replacement	1	1	Marshall House Fund	Replace apartment smoke detectors and install new in bedrooms, interconnected to living area	\$38,760	\$0	\$0	\$0	\$0	\$0	\$38,760	Under advisement of the City of Marshall Fire Department, the status of the systems should be upgraded for the health and safety of all tenants.
Marshall House	Entrance Renovation	3	25	Marshall House Fund	Remove large shrubs and construct new seating area at front entrance	\$0	\$0	\$32,400	\$0	\$0	\$0	\$32,400	Tenant requests for improvement received.
Marshall House	Parking Lot Lighting	2	25	Marshall House Fund	Replace parking lot lighting	\$0	\$13,500	\$0	\$0	\$0	Energy Optimization	\$13,500	Tenants requests for improvement received. Lighting inadequate for the safety of the tenants.
Marshall House	Pole Mounted Lighting	2	25	Marshall House Fund	Replace pole mounted site lighting for pedestrian walkways	\$0	\$32,000	\$0	\$0	\$0	Energy Optimization	\$32,000	Tenant requests for improvement received. Lighting inadequate for the safety of the tenants.
Marshall House	Public Restrooms	1	20	Marshall House Fund	Upgrade the public restrooms to ADA compliant status	\$0	\$12,350	\$0	\$0	\$0	\$0	\$12,350	Per Section 504/ADA Study, not in compliance
Marshall House	Office Remodel	1	20	Marshall House Fund	Upgrade the office to ADA compliant status	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000	Per Section 504/ADA Study, not in compliance
Marshall House	Air Conditioner Sleeves	1	40	Marshall House Fund	Replace all air conditioning sleeves for each apartment	\$0	\$13,125	\$13,125	\$13,125	\$13,125	\$0	\$52,500	Experiencing water leakage issues with air conditioners. Not appropriate drainage provided with original sleeves. Upgrades will eliminate future damage to the building and units.
Marshall House	Window Flashing	1	40	Marshall House Fund	Replace and Repair the flashing of nine (9) apartment windows	\$12,000	\$0	\$0	\$0	\$0	\$0	\$12,000	To improve the status of the continual water damage caused by deteriorating flashing around the windows.
Marshall House	Sign Refurbishing	4	25	Marshall House Fund	Refurbish property sign w/new landscaping and electric for illuminating sign	\$0	\$0	\$32,400	\$0	\$0	\$0	\$32,400	To improve on the marketability of the Marshall House

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Marshall House	Curb Replacement	2	40	Marshall House Fund	Estimate replacing 20% of curbing	\$0	\$0	\$10,024	\$10,024	\$10,024	\$0	\$30,072	Original curbs are in fair condition per Physical Assessment of the site. To improve the rating from the assessment.
Marshall House	Gazebo Refurbishing	4	25	Marshall House Fund	Refurbish gazebo, clean roof & add electric with lighting	\$0	\$0	\$0	\$0	\$17,750	\$0	\$17,750	Tenant request for improvements.
Marshall House	Ceiling Tiles	4	25	Marshall House Fund	Replace suspended ceiling tiles in common area rooms	\$0	\$0	\$0	\$0	\$26,325	\$0	\$26,325	
Marshall House	Intercom Replacement	3	40	Marshall House Fund	Replace intercom system	\$0	\$0	\$0	\$27,500	\$0	\$0	\$27,500	Tenant requested improvements.
Marshall House	Replace Steel Entrance Service Doors	2	20	Marshall House Fund	They are the original doors of the facility and have long outlived their expected life.	\$0	\$0	\$19,800	\$0	\$0	\$0	\$19,800	Replacement insures safety and security of the building as well as increased energy efficiency. Will improve the deficiency rating on the Physical Assessment of the building.
Marshall House	Replace Tankless water heating system	2	10	Marshall House Fund	They are at the end of their estimated useful life.	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000	Replacement insures continuous uninterrupted heat for tenants.
Marshall House	Exterior Brick Power Cleaned, Joints Re-tucked	2	4	Marshall House Fund	The re-sealing of the brick is the minimal amount of maintenance required to prevent further water infiltration into interior of apartments causing further damage.	\$0	\$0	\$0	\$39,840	\$0	\$0	\$39,840	Preserving brick and health and safety of tenants.
Marshall House	Renovation of Salon	3	20	Marshall House Fund	The salon and its equipment have long outlived its estimated useful lifespan.	\$0	\$0	\$0	\$0	\$6,000	\$0	\$6,000	Insures a convenient service for tenants with limited mobility, especially during winter months.
Marshall House	Replace Water Softeners	2	10	Marshall House Fund	The water softeners will be exceeding their useful lifespan in fifteen years and will need to be replaced.	\$0	\$0	\$0	\$8,600	\$0	\$0	\$8,600	Future will increase energy savings and will insure continued efficient operations of boilers and heaters.
Motor Pool	Roof Replacement and Building Upgrades	2	75	General Fund/Bond	The roof has been inspected to determine the cost to fix the leaks. Because of the style of roof (nails are exposed and fixed so roof cannot expand and contract) repairs would be of little effect. \$10,000 would pay for an architect to inspect the building and form a plan for roof, sidewall repairs, infra-red heating design and insulation. \$200,000 should cover repairs based on a preliminary estimate of \$110,000 to replace the roof.	\$0	\$0	\$10,000	\$0	\$200,000	\$0	\$210,000	This would extend the life of the DPW garage for another 75 years.
Parks	Skate Park Relocation	2	20	General Fund	Current location of skateboard park present challenges with oversight and enforcement. New location will be highly visible and easily enforceable. Community group will be responsible for relocating equipment and installing new concrete pad and the City of Marshall will purchase the land.	\$55,000	\$0	\$0	\$0	\$0	\$0	\$55,000	Reduction in maintenance of N. Ketchum Park caused by vandalism
Parks	Brooks Memorial Fountain Painting	1	5	General Fund	Brooks Memorial Fountain was fully restored in 2009. The exterior of the fountain will be repainted and joints re-caulked.	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	None
Parks	Shearman Park Development	3	20	General Fund/ Misc Grants	The City acquired the land where the Shearman School once stood from Marshall Public Schools. A steering committee was formed to help identify the needs of the city and desires of the neighborhood. The park development help to further the needs of the community, one of which is the proper spacing of parks.	\$0	\$686,451	\$0	\$0	\$0	\$686,451	\$1,372,902	Increase in maintenance costs.
Parks	Brooks Nature Park 16 x 20 Shelter	2	20	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	This will be an area for those using the park to take refuge during adverse weather conditions. It will be open on three sides. One side will be closed to help block the wind or rain from those occupying the structure. The ceiling area will be enclosed to keep wild life from using the trusses as a nesting area.	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000	Will be an increase in maintenance cost in the future.
Parks	Ketchum Park Restroom Near Kids Kingdom	2	25	General Fund	Install a restroom facility for Kids Kingdom Playground.	\$0	\$88,000	\$0	\$0	\$0	\$0	\$88,000	Increased maintenance and utility costs for restroom.
Parks	Ketchum Park Parking & Access	4	20	General Fund and DNR Grants	Construct 20 car parking area on Water Department property on the South side of Green Street. Construct bridge and boardwalk (400') across Rice Creek wetlands to provide improved access to the East end of Ketchum Park.	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000	\$500 increase in maintenance costs per year for stripping, plowing, keeping bridge & boardwalk treated.
Parks	Phase V Riverwalk Design / Construction	3	30	General Fund 25%, Local Grant 75%	Design and construction of the next phase of Kalamazoo Riverwalk extending from Kalamazoo Ave. westerly to Pearl St .sub-station area.	\$37,500	\$375,000	\$0	\$0	\$0	\$1,237,500	\$1,650,000	Increase in operational costs-walkway will require periodic maintenance.
Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	With the addition of the Kids Kingdom current and future uses of the park area, additional parking is needed. The City could need to purchase additional property and then install storm sewer.	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000	Increase in maintenance costs (stripping, snow plowing, sweeping)

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Parks	Playground Ground Cover replacement	2	10	General fund	As suggested by the recent playground inspection new mulch should be install in all play structures throughout the city. Mulch needs to be replaced every 5 years.	\$0	\$0	\$0	\$8,000	\$0	\$0	\$8,000	Potential reduction in accident liability
Police	Protective Vests	1	5	General Fund or Grant	Protective armor vests are worn by all personnel wearing a uniform. It is a contractual agreement that the City of Marshall provide the vests. It is also an industry standard to provide and wear the protective armor.	\$4,000	\$5,000	\$0	\$0	\$0	\$0	\$9,000	This is an officer safety issue and one that has proven to reduce or eliminate injuries and also saved lives. This has significant savings should a catastrophic event occur.
Police	Police Vehicle Change-over	1	10	General Fund	To purchase all new equipment other than radios for the new vehicles beginning in 2011. This is due to the crown Victoria no longer be produced, therefore a new design vehicle will be utilized. This will not allow the current equipment to change-over to the new design.	\$6,000	\$5,000	\$5,000	\$0	\$0	\$3,200	\$19,200	Provide safety equipment and emergency equipment to all new vehicles.
Police	Police Protective Shelter / Equipment Storage	4	20	General Fund	To provide safe cover for all personnel while at the shooting range in the event of inclement weather. This will also be used as storage of range materials with exception of firearms or ammunition. It is also agreed upon with the Street Department to share the facility for their storage and protective cover as well.	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000	Will provide man hour savings with storage of equipment on site. Original estimate was \$10,000, but can be built on site at the reduced cost.
Police	Police Vehicle Video Equipment	1	5	General Fund	Patrol car cameras are used daily by this agency. We utilize the cameras to document crimes, actions by offenders, and officers. The Marshall Police Department has a policy and Procedure stating that while on patrol the car video has to be on and functioning. The audio must be engage whenever contact with the public is made. The cameras are an asset to the City of Marshall as it reduces liability and also aids in conviction of crimes.	\$11,000	\$11,200	\$0	\$0	\$11,200	\$2,000	\$35,400	The cameras provide crucial documentation of police practices public contacts. They are an industry standard and are useful in court presentations, training issues, and reduction liability.
Police	Toughbook H2 Tablet	1	5	General Fund	Patrol car computers are used daily by this agency. We utilize the computers to document crimes, actions by offenders, officers, dispatch communications, GPS functions and officer safety. The Marshall Police Dept has a policy and procedure stating that while on patrol the computer has to be on and functioning. The computers are an asset to the City of Marshall as it reduces liability ad also aids in patrol operations.	\$5,500	\$5,500	\$11,500	\$11,500	\$0	\$1,000	\$35,000	The computers provide crucial documentation of police reports, dispatch complaints, report writing, GPS functions etc for police operations while in the vehicle.
PSB Operations	Exterior Maintenance	2	10	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	PSB exterior needs to be washed and sealed to keep the concrete aesthetically pleasing.	\$6,500	\$0	\$0	\$0	\$0	\$0	\$6,500	Maintenance.
PSB Operations	PSB Mill and Pave Asphalt Parking Lot. Add Electronic Gate to North Entrance	3	30	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	Parking lot is deteriorating due to heavy vehicles (garbage trucks, line trucks, delivery trucks, etc.) using the main parking lot to access the delivery doors and refuse sites. The parking lot was not designed for this kind of use. After paving, heavy traffic will be re-routed to the north side of the building.	\$0	\$0	\$0	\$0	\$125,000	\$0	\$125,000	Maintenance
Recreation	Replacement of Athletic Field Light System	4	30	General Fund Transfer to Electric Fund-Bond	The current lights on diamond #1 & #2 are approaching the end of their expected life. The entire system should be replaced.	\$0	\$0	\$0	\$300,000	\$0	\$0	\$300,000	May be a slight decrease in utilities due to more efficient system.
Recreation	Dug Outs	4	25	General Fund	To complete recent renovations to Athletic Field, dug outs for diamonds #1 & #2 can provide additional safety and protection to players, add a professional element to the facility and will be visually pleasing which may help expand programming.	\$0	\$0	\$0	\$25,088	\$0	\$0	\$25,088	Potential increased revenue by attracting additional tournaments.
Recreation	Painting & Repairs on Athletic Field Concession/Restroom Building.	3	5	General Fund	Painting is considered routine maintenance. Small repairs are also needed on portions of the siding and columns in the covered picnic area.	\$0	\$6,500	\$0	\$0	\$0	\$0	\$6,500	Maintenance
Recreation	Seal Coating Athletic Field Parking Lot & Pathways. Striping of Parking Lot	4	3-5	General Fund	Seal Coating Athletic Field Parking Lot & Pathways is considered routine maintenance. Seal Coated Sept. 2013.	\$0	\$0	\$8,500	\$0	\$0	\$0	\$8,500	Maintenance
Recreation	Roofing - Athletic Field Concession/Restroom Building	4	25	General Fund	Replacement of shingles on Concession/Restroom Building.	\$0	\$0	\$0	\$0	\$10,000	\$0	\$10,000	Maintenance
Recreation	Sand Volleyball Court Renovations	3	10+	General Fund	Old volleyball court posts will be removed and replaced by posts that can be easily removed for the winter. Purchase new net system. This will allow program expansion for this area. Fence repairs & fence painting also needed.	\$0	\$0	\$9,000	\$0	\$0	\$0	\$9,000	Potential increased revenue by expanding programming opportunities.

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Recreation	Outdoor Basketball Courts	3	20+	General Fund	This project will encompass a new full size outdoor basketball court on the south side of the Athletic Field. This will include excavating & leveling, base, blacktop courts, (2) hoops, nets and striping court lines.	\$12,000	\$0	\$0	\$0	\$0	\$0	\$12,000	Potential increased revenue by expanding programming opportunities. Provide another facet to the facility.
Recreation	Safety upgrades to the Athletic Fields	2	3-5	General Fund	Per recommendations of Marshall Police Report safety/code upgrades should be met. These include; additional lighting in recesses of the park, replacement & additional signage as designated in the report, landscaping to address wooded areas, fence lines and old entrance near Michigan Ave. (diamond #4).	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000	No effect on operational revenues and expenditures anticipated.
Recreation	Additional Pavilion at the Athletic Fields	4	20+	General Fund	The Athletic Fields are used not only by Department sponsored activities but rentals and community use as well. A pavilion in-between the outfields of diamond #3 & #4 would provide an additional picnic area.	\$0	\$0	\$0	\$0	\$8,500	\$0	\$8,500	No effect on operational revenues and expenditures anticipated.
Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	Dug-outs for diamonds #3 & #4 can provide additional safety and protection to players while separating from spectators which is desired for tournament/league play. This will add a professional element to the facility and may help to expand programming/rentals.	\$0	\$12,544	\$12,544	\$0	\$0	\$0	\$25,088	Dug-outs will have low maintenance. This extra amenity may help to attract more field rentals.
Streets	Sidewalk Ramp Installation	2	50	General Fund	Repair of 100 sidewalk ramps at intersections under the City's jurisdiction which do not currently have a handicap accessible ramp.	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$50,000	Increased pedestrian safety.
Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	Replacing of 100 year-old structure utilizing match from MDOT grant.	\$159,000	\$0	\$0	\$0	\$0	\$1,150,000	\$1,309,000	Increase safety and load handling of the bridge.
Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	Replacing of 100 year-old structure utilizing match from MDOT grant.	\$305,000	\$0	\$0	\$0	\$0	\$2,185,000	\$2,490,000	Increase safety and load handling of the bridge.
Streets	New Sidewalk Installation	3	25	General Fund	Sidewalks include North Drive from Madison to Marshall Avenue, Pearl from Kalamazoo to Riverwalk Access, Forest Street, O'Keefe, and Woodruff Drives, Sherman from Pristanchia to Verona Road, Hobart from Kalamazoo to Brewer East Drive from Forest to Mann, Prospect where missing, Greenfield from Verona to Michigan, Birch and Mulberry where missing.	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$0	\$120,000	Increased cost in the form of sidewalk repairs.
Streets	Alley Rehabilitation	1	30	General Fund	Remove and replace asphalt in alley at O'Leary Water to match adjoining new asphalt parking lot.	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000	Reduction in maintenance costs.
Streets	Street Sign Replacement	2	15	MVH Major 35%, MVH Local 65%	Signs will be replaced by City crews one quadrant per year. Street signs will begin to be replaced in the fifth year	\$14,000	\$14,000	\$14,000	\$14,000	\$0	\$0	\$56,000	None.
Streets	Barricade Replacement	2	10	General Fund	Replacement of traffic barricades and cones that are used for special events, maintenance, and construction.	\$0	\$0	\$0	\$5,000	\$0	\$0	\$5,000	None.
Streets	Jefferson Street Redevelopment	2	20	Water 35% / Major Streets 65%	Project will replace water main and reconstruct street surface in preparation of the redevelopment of the Cronin Building	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	Decrease in maintenance cost.
Streets	N. Madison Street Fence	2	20	Local Streets	Decorative fence will be installed along sidewalk within the right of way to funnel pedestrian traffic to the approved mid block crossing	\$4,000	\$0	\$0	\$0	\$0	\$0	\$4,000	None
Streets	MDOT - Small Urban Grant Project 2015	2	20	Major Streets	Reconstruction of Monroe Street from S. Marshall Avenue to Locust and North Drive from Kalamazoo Avenue to Brewer Street	\$131,250	\$0	\$0	\$0	\$0	\$375,000	\$506,250	Reduction in Maintenance
Streets	MDOT - Small Urban Grant Project 2017	2	20	Major Streets	Reconstruction of Eagle from Green to Mansion and Jefferson from Mansion to Michigan	\$0	\$0	\$131,250	\$0	\$0	\$375,000	\$506,250	Reduction in Maintenance
Streets	MDOT - Small Urban Grant Project 2019	2	20	Major Streets	Reconstruction of North and East Drives from Madison Street to Michigan Avenue	\$0	\$0	\$0	\$0	\$131,250	\$375,000	\$506,250	Reduction in Maintenance
Streets	Special Tree Removal	2	20	General Fund	Some trees slated for removal need to be done by professional tree services due to special circumstances or equipment limitations	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$0	\$75,000	Reduction in Maintained
Streets	Local Street Rehabilitation	2	30	General Fund	Road repaving and rehabilitation for 2015 will be N. Madison St. Maple St. and Washington St. For 2016 will be W. Green St. N. Liberty St. E. Hanover St. and S. Hamilton St.	\$370,000	\$370,000	\$250,000	\$250,000	\$250,000	\$0	\$1,490,000	Reduction in maintenance cost.

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Wastewater	I & I Study (Inflow and Infiltration)	2	15	Wastewater Fund	An I & I Study will determine where the infiltration and inflow areas are in the City's Sewer System. This will allow us to budget in the future the repairs of the City's sewers.	\$0	\$0	\$0	\$65,000	\$0	\$0	\$65,000	The I & I Study will help us identify where the repairs will be needed and all the infiltration that we can prevent going into the sewers will save the City money by not treating ground water at the Wastewater Plant.
Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	Brick restoration on all buildings with the exception of the RMA. Buildings range in construction from 1955 to 1975. Project will mainly consist of tuck pointing and sealing of exterior. Some interior work is needed on concrete block garage dating to mid to late 1960's.	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000	General maintenance needed on facilities with no real effect on plant operations. Extends the life of the buildings.
Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	This project will provide a place for dumping septage in Calhoun County. State laws require septage to be dumped at an approved receiving station if within a 25 miles radius of such a station. Currently there is no such facility in Calhoun County. This is an investment in the environmental health of Calhoun County.	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	Provide a new revenue source. Septage would be brought in from outlying townships that do not offer sewer service. Possible increase in cost of operation would be offset by fees collected from users.
Wastewater	Automated Meter Information Project	2	20	Wastewater Fund - Bond or Installment Purchase Contract	This system will automate the collection of meter readings and data from a centrally located facility eliminating the need for door to door readings, reduce or eliminate inaccurate readings and flag problems or tampering with a meter. This system will also provide us with an Outage Management System (OMS), pinpointing back to what device (Breaker, Recloser, Fuse) the outage originates from therefore reducing outage response time. The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the proposed "mPower Innovations" AMI/OMS software. The system will be scalable and capable of pulling in all other available and future layers and data sources.	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	Increase on meter reading efficiency
Wastewater	Door and Window Replacement	2	25	Wastewater Fund	This project will entail replacing a number of exterior doors and windows in the various buildings at the Wastewater Plant. Some of these doors have been damaged by the naturally corrosive atmosphere present. Others need replacing due to age. The windows needing replacement are due to age and deterioration	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	Increase energy efficiency using fiber reinforcing panels for the doors. Single pane windows will be changed to more efficient double pane.
Wastewater	South Marshall & Hughes Lift Station Replacement	2	25	Wastewater Fund	Due to the age (20 yrs) and on-going maintenance to the lift station replacement is recommended. The new station will be relocated as it is currently in the green space between the curb and sidewalk. A new location will increase employee safety.	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000	New station will save on maintenance costs. Depreciation is \$12,000 annually.
Wastewater	Partello Road Lift Station Replacement	2	25	Wastewater Fund	Due to the age (20 yrs) and on-going maintenance to the lift station replacement is recommended. The new station will be relocated as it is currently in the green space between the curb and sidewalk. A new location will increase employee safety.	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000	New station will save on maintenance costs. Depreciation is \$12,000 annually.
Wastewater	New Sludge Thickening/Dewatering Process	2	20	Wastewater Fund	The current equipment will be 20 years old and the polymer (thickening agent) used in the process is no longer produced. A suitable replacement is not expected. We have enough polymer to last about 4 years at our current rate.	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000	A new process could change our biosolids from class B to class A. This could mean a possible revenue stream instead of paying a contractor to dispose of the biosolids. Depreciation is \$25,000 annually.
Wastewater	Grit Removal System	3	20	Wastewater Fund	A grit removal system installed at the headworks will reduce wear on the pumps and piping in the plant.	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000	Decreased maintenance costs on other equipment. Depreciation is \$25,000 annually.
Wastewater	New Raw Sewage Pump VFDs	2	10	Wastewater Fund	Current VFDs need to be replaced due to age. Adding a third VFD to our third pump will allow us to rotate the pumps and increase the useful life of all three raw sewage pumps.	\$0	\$0	\$0	\$0	\$25,000	\$0	\$25,000	Depreciation is \$2,500 annually.
Wastewater	Channel Monster Cartridge Replacement	1	5	Wastewater Fund	It is recommended by the manufacturer to replace the cutter cartridge in the Channel Monster every five years.	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000	Depreciation is \$6,000 annually.
Wastewater	Muffin Monster cartridge replacement	2	5	Wastewater Fund	It is recommended by the manufacturer to replace the cutter cartridge in the in-line Muffin Monster every five years. We have three of these units.	\$0	\$0	\$0	\$25,000	\$0	\$0	\$25,000	Depreciation is \$5,000 annually.
Water	Replace Chlorine Gas with Sodium Hypochlorite	3	20	Water Fund	Replace chlorine gas used for disinfecting the water with sodium hypochlorite. This is for safety reason. Presently the City is in compliance with MDEQ but regulations could change.	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	Increase in operational costs because sodium hypochlorite is a more expensive alternative. \$5,000 depreciation.

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Water	Install New Water Service on Washington & Elm	3	30	Water Fund	Install water mains on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of curb, gutter, draining and street improvements.	\$0	\$0	\$144,500	\$0	\$0	\$0	\$144,500	Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system. \$1,500 depreciation.
Water	Replace Water Main on S. Marshall	2	30	Water Fund	Replace aging 6" water main on S. Marshall from Michigan Ave. to Raymond Rd. with 8" Ductile Iron. As recommended in the 2008 Master Plan.	\$0	\$0	\$0	\$705,500	\$0	\$0	\$705,500	Reduction in maintenance to structure, increase water quality and flow.
Water	Replace Existing Heaters in Water Treatment Plant	2	25	Water Fund	Replace existing electric heaters with forced air gas heaters in Water Treatment Plant. As recommended by the facilities review.	\$5,000	\$0	\$0	\$0	\$0	Energy Optimization	\$5,000	Reduction in electric use and increased heat in Water Plant
Water	Replace Existing 4" Water Main on S. Eagle and Brewer	2	30	Water Fund	Replace existing 4" cast iron water main in two locations. Upgrade to Ductile Iron pipe. As recommended in the 2008 Master Plan.	\$0	\$0	\$425,000	\$0	\$0	\$0	\$425,000	Reduction in maintenance to structure, increase in water quality and flow.
Water	Refurbish Well Houses 1-3	2	20	Water Fund	Refurbish Well House roofs and replace insulation on the walls in well houses 1-3. As recommended in the facilities review.	\$9,000	\$0	\$0	\$0	\$0	\$0	\$9,000	Reduction in maintenance and lower heating costs.
Water	New Garage at Water Treatment Plant	2	30	Water Fund	Build pole style building for trucks and storage at the Water Treatment Plant. As suggested by the operational study in 2010.	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	Save time money and eliminate using space at the Public Services Building.
Water	Automated Meter Information Project	2	20	Water Fund - Bond or Installment Purchase Contract	This system will automate the collection of meter readings and data from a centrally located facility eliminating the need for door to door readings, reduce or eliminate inaccurate readings and flag problems or tampering with a meter. This system will also provide us with an Outage Management System (OMS), pinpointing back to what device (Breaker, Recloser, Fuse) the outage originates from therefore reducing outage response time. The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the proposed "mPower Innovations" AMI/OMS software. The system will be scalable and capable of pulling in all other available and future layers and data sources.	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	Increase on meter reading efficiency
Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	50	Water Fund - Bond	Install water main and build water treatment plant at #5 well site. This would add a backup in case of contamination to other four wells on Green St.	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	Increase utility use and chemical inventory
Water	Install VFD's to wells 3 & 4 at the Water Treatment Plant.	2	30	Water Fund	Installing VFD's to the well pumps will allow us to operate the pumps at a lesser rate and still maintain system pressure and volume at a lower cost.	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	Decrease electric use at the Treatment Plant, extend the life of the well pumps and lessen the down time for the pumps
Water	Paint 500,000 Water Tower	2	10	Water Fund, Cell Phone Fund	Paint and repair 500,000 gallon water tower as recommended by Inspection Report from Dixon Engineering November 2008	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	Reduction in maintenance cost and lengthen life of structure
Water	Jefferson Street and Eagle Street water main	3	30	Water Fund, Cell Phone Fund	Replace 4 and 6 inch water main while street is being reconstructed	\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000	Reduction in maintenance to structure, increase in water quality and flow.