

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	November 5, 2012
	Agenda Item No.	26
	Roll Call No.	<u>12-1707</u>
	Communication No.	<u>12-570</u>
	Submitted by:	John Newman, Information Technology Director

AGENDA HEADING:

Approve updated Des Moines Area Regional Geographic Information System (GIS) Partnership Business Plan and Memorandum of Understanding (MOU) and authorize the City Manager or designee to seek final adoption of the updated Business Plan and MOU by Regional GIS Partners.

SYNOPSIS:

The Des Moines Area Regional GIS is a managed repository of mapping equipment, geographic data, and digital maps that are maintained collaboratively by the Regional GIS Partners to support public safety response and emergency management throughout the Des Moines area. Specifically, the Regional GIS maps are used by three 9-1-1 emergency dispatch centers for the delivery of services throughout the Des Moines area and for hazard risk assessment. The City of Des Moines Information Technology (IT) Department hosts the Regional GIS.

The Business Plan and MOU outline the partnership required to continue maintenance of the Regional GIS beyond the initial implementation. The original Business Plan and MOU were approved by the Des Moines City Council in April, 2009 and subsequently adopted by 7 Regional GIS partners including: Ankeny, Clive, Johnston, Pleasant Hill, Polk County, Urbandale, and West Des Moines. The original Business Plan and MOU did not specify how additional organizations would join the partnership, and there are now 3 additional municipalities that wish to join. They are Altoona, Polk City, and Norwalk.

This action terminates the original Business Plan and MOU, approves the updated version of the Business Plan and MOU, and approves the City of Des Moines' continued participation in the Regional GIS Partnership. The key changes to the Business Plan and MOU are to specify how changes to the Business Plan and MOU may be made and approved by the partners and to specify how government bodies and government owned public utilities may join or exit the partnership.

FISCAL IMPACT: NONE

ADDITIONAL INFORMATION:

The Regional GIS began in 2003 when the City of Des Moines received a Byrne Justice Assistance (BJA) Grant to develop a GIS covering the Des Moines metropolitan area. The implementation of the Regional GIS was completed in May, 2009. Since then, the GIS Division of the City of Des Moines IT Department has continued to manage the Regional GIS, and the Regional GIS partners have continued to collaboratively maintain data in the system.

The objectives of the Regional GIS Partnership are to:

- Develop quality regional GIS maps and databases critical to public safety and emergency management
- Create regional GIS data and map standards
- Provide equipment, tools, and training for the maintenance of regional GIS maps and databases
- Disseminate GIS maps and databases to public safety answering points (PSAPs) serving the Des Moines metro area
- Deliver online regional GIS maps to the public

Supporting the use of GIS to quickly and accurately dispatch 911 emergency services is the primary purpose of the Regional GIS. There are three PSAPs serving the communities in the Des Moines metropolitan area – City of Des Moines, Polk County, and Westcom. For daily dispatch operations and special circumstances like mutual aid calls, each PSAP requires standardized GIS data and maps for the entire Des Moines metropolitan area.

Additionally, the Regional GIS data and web applications are used to support other regional initiatives, such as the Tomorrow Plan, that requiring metro-wide maps.

The Business Plan and MOU define the roles and responsibilities of the Regional GIS Partners, the scope of the partnership, and the governance of the partnership. The City of Des Moines' primary responsibility is to host the Regional GIS database repository, including maintaining necessary server infrastructure and software. The other partners are primarily responsible for maintaining data in the repository for their respective jurisdictions and maintaining necessary desktop computers and software.

None of the hardware or software utilized in the Regional GIS is jointly owned. The City of Des Moines owns the desktop and server software necessary for hosting the Regional GIS repository and pays \$24,900 annually to maintain that software. All of the hardware and software serves the dual purpose of hosting the Regional GIS and the City of Des Moines enterprise GIS. The cost of hosting the Regional GIS does not increase if additional agencies join the partnership.

The other partners each own the desktop software necessary for contributing data to the Regional GIS repository and pay \$1,500 annually to maintain that software. If additional agencies join the partnership, the cost of participating in the Regional GIS does not increase for existing partners.

All software maintenance fees are paid directly to the software vendor. No funds are exchanged among the City of Des Moines and partners for Regional GIS services.

PREVIOUS COUNCIL ACTION(S):

Date: April 12, 2010

Roll Call Number: [10-536](#)

Action: Items regarding Enhancement of Geographic Information Systems (GIS) to support Hazard Risk Assessment for multi-jurisdictional mitigation planning. [Project](#) Grant Agreement and addendum with Iowa Homeland Security and Energy Management Division for FEMA Grant acceptance, \$198,540. ([Council Communication No. 10-187](#)). Moved by Coleman to approve. Motion Carried 7-0.

Date: April 20, 2009

Roll Call Number: [09-653](#)

Action: Des Moines Area Regional Geographic Information System (GIS) Partnership Business Plan and Memorandum of Understanding (MOU) and authorize City Manager or designee to seek final adoption of the Business Plan and MOU by Regional GIS Partners. ([Council Communication No. 09-230](#)). Moved by Vlassis to adopt. Motion Carried 7-0.

Date: October 6, 2003

Roll Call Number: 03-2313

Action: Application for Federal Assistance to access grant funds for development of the Des Moines Regional Geographic Information System (GIS). ([Council Communication No. 03-498](#)). Moved by Brooks to approve. Motion Carried 5-2.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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