



Council Agenda Report

From: Kevin Tran, Information Technology Manager

Subject: Approval of Geographic Information Systems Enterprise Software Renewal

CEQA Determination: The City finds that this action is not a project under the California Environmental Quality Act pursuant to State Guidelines Section State CEQA Guidelines, §§ 15060, subd. (c)(2)-(3), 15378.

Date: July 16, 2024

Facts

1. Geographic Information Systems (GIS) is a computerized system that creates, manages, analyzes and displays geographically referenced information. GIS connects data to a map, integrating location data (where things are) with all types of descriptive information (what things are like). This provides a foundation for mapping and analysis that is used to understand patterns, relationships, and geographic context.
2. For the City, GIS is used for mapping of police crime analysis and camera registration; fire-run books, call analysis, emergency operation center and mutual aid zones; parks and streets maintenance, water, sewer, stormwater atlas including maintenance inspections and logs; land use areas, zoning areas, short term rentals; landscape and lighting and council voting districts; and capital projects. Building and planning permit software directly connects to GIS as a resource.
3. To provide GIS services, the City utilizes several modules of ArcGIS software from Environmental Systems Research Institute, Inc. (ESRI); these modules are purchased individually.
4. External use for public or in-field use requires separate security and manual synchronization of data. An enterprise license gives secure access to the same data for the public, interconnected software and staff eliminating synchronization issues.
5. The City begun using ESRI products in 2006. At that time, ESRI was the sole vendor for Enterprise GIS systems.
6. The City currently has 158 registered internal ArcGIS Enterprise users (61 “creators” and 97 “viewers”). The ArcGIS Enterprise portal is accessible to City staff and the public at <https://maps.prcity.com>.

Options

1. Take no action;
2. Authorize the City Manager to renew its agreement with ESRI for the Small Government Enterprise License Agreement in the amount not to exceed \$121,500 (\$40,500 for FY 2024-25);
3. Provide alternative direction to staff.

Analysis and Conclusions

The City GIS services have a long history and substantial time investment in using ESRI’s ArcGIS which is the market leading GIS software. Renewing the Enterprise license continues to provide staff with the necessary tools to be productive by utilizing these mapping capabilities. Not renewing the licenses, in

addition to disabling access to the software, would require significant time and resources to move to an alternative software product. Furthermore, ESRI ArcGIS Enterprise provides the City with fully supported backend servers, software, and database configuration. If the City were to switch to an open-source solution, it would require hiring additional staff such as a GIS programmer and/or database administrator. This would cost more and limits the City's ability to integrate with other GIS-related programs such as Inframap, Accela, and Open Gov (each of these products use ESRI source code for their mapping). Lastly, this enterprise agreement provides the framework for open data to the public, such as Zoning and Land Use information, and security of sensitive data to City staff, such as the details of water infrastructure.

All city departments are utilizing ArcGIS Enterprise to view, create and maintain GIS data including:

- Fire and Emergency Services: weed abatement, fire history and tracking, homeless encampments, EOC activities, emergency response, analysis, and planning
- City Manager's Office: maps and analysis
- Community Development: planning and mapping documents, figures, analysis, reports, and Accela permitting software
- Parks: trails, irrigation asset location and tracking
- Public Works: pavement status tracking, grease trap inspections, airport facilities, OpenGov/Cartegraph
- Police: Community Action Team, traffic collision, crime activity
- Utilities: water, wastewater, and drainage asset tracking

Fiscal Impact

For Fiscal Year 2024-25, the cost of the software program is \$40,500, and escalates each year thereafter for a total of \$121,500 for the three-year period. The information technology's operating budget for FY 2024-25 includes appropriations for this renewal agreement, and as such, no further action is required. Funding for the future years of this agreement will be included in the Divisions baseline budget.

CEQA

The City finds that this action is not a project under the California Environmental Quality Act pursuant to State Guidelines Section State CEQA Guidelines, §§ 15060, subd. (c)(2)-(3), 15378.

Recommendation

Authorize the City Manager to renew the agreement with ESRI for Small Government Enterprise License Agreement in an amount not to exceed \$121,500 over three years.

Attachments

1. ESRI Renewal Quote