



**BUSINESS OF THE CITY COUNCIL
CITY OF MERCER ISLAND**

**AB 6012
February 1, 2022
Consent Agenda**

AGENDA BILL INFORMATION

TITLE:	AB 6012: ARPA Funds Appropriation for GIS Utility Network Data Upgrade	<input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution
RECOMMENDED ACTION:	Appropriate American Rescue Plan Act (ARPA) Funds for the GIS Utility Network Data Upgrade.	

DEPARTMENT:	Information and Geographic Services
STAFF:	Ali Spietz, Chief of Administration Leah Llamas, GIS Coordinator
COUNCIL LIAISON:	n/a
EXHIBITS:	n/a
CITY COUNCIL PRIORITY:	n/a

AMOUNT OF EXPENDITURE	\$ 110,000
AMOUNT BUDGETED	\$ 0
APPROPRIATION REQUIRED	\$ 110,000

SUMMARY

The purpose of this agenda bill is to appropriate \$110,000 in ARPA Funds for the Geographic Information Services (GIS) Utility Network Data Upgrade.

- The GIS Utility Network Data Upgrade was identified as one of the priority projects to receive ARPA funding.
- This project will convert and upgrade the design for the water, sewer, and stormwater utility networks in the GIS database to be compatible to the most recent upgrades to the City’s GIS system. This upgrade is also necessary to support the function of CityWorks, the City’s Asset Management platform.
- This item was originally planned to come to the City Council as part of a comprehensive update on ARPA projects in Q2 2022, but due to the timing of the work on the City’s GIS system, funding authority is needed now.
- The appropriation request is for \$110,000. The next time an upgrade will be needed is in approximately five to ten years.

Background and Additional Information

At the October 19, 2021 City Council meeting, staff presented [AB 5961](#) to discuss uses for American Rescue Plan Act (APRA) funding and confirm utility project priorities. The Geographic Information Services (GIS)

Utility Network Data Upgrade was included as one of the prioritized projects to convert and upgrade the GIS data for the water, sewer, and stormwater utility networks. The City Council directed staff to accelerate the specified capital utility projects and return in the second quarter of 2022 to discuss project sequencing, refine cost estimates, and funding options including the use of ARPA funds.

The GIS team is completing major upgrades to the City's GIS system. It has been identified that the current water, sewer, and stormwater GIS utility network data, as designed within the database, has reached the end of its useful life. To remain useable, the data needs to be converted and upgraded to be compatible with the new GIS system.

The City's utility network data powers the City's work order system, known as CityWorks. Upgrading to the new GIS system ensures that day-to-day inspection schedules, service requests, and work orders can be completed by Public Works staff. Migration of the City's current GIS data to the new GIS system is a best practice and adheres to the functionality and requirements of the software.

Advantages of this upgrade:

- 1) *Software lifecycle prioritization* - upgrading is one of the many ways the City is continuing to stay-up-to date with technology advancements required for a healthy GIS environment and program
- 2) *Accurate modeling* - provides better ability to define how utility assets in the network are connected
- 3) *Data integrity* - data creation/data editing environment includes tools that enforce data quality
- 4) *Advanced tracing and analytic capabilities* - intelligently trace the utility network and return details related to network flow, track health of the network and identify deteriorating areas that would assist in Capital Improvement Project (CIP) prioritization
- 5) *Integration with business systems* - ensures the utility data is compatible and ready to be integrated with multiple and future City business systems.

This initiative will require a GIS consultant to assist in the implementation and is estimated to cost \$110,000. This work will be completed by Q2 2023.

ARPA Funds

ARPA is a Federal economic stimulus package signed into law on March 11, 2021, in response to the economic and public safety impacts of the COVID-19 Pandemic ("Pandemic"). The \$1.9 trillion legislation includes \$19.53 billion to cities and towns with less than 50,000 residents to aid in their response and recovery from the Pandemic. A separate pool of \$45.6 billion was set aside for metropolitan cities with populations over 50,000.

On June 8, Washington's Office of Financial Management (OFM) announced ARPA allocation amounts for Non-entitlement Unit Cities (communities with under 50,000 residents). The OFM confirmed the City of Mercer Island will receive \$7.23 million in ARPA Fiscal Recovery Funds. The first tranche of \$3,616,084 arrived in late June of 2021. The second half of the City's ARPA allocation is scheduled to be provided June of 2022.

Of the \$3.6 M received to date, the City Council has committed \$1,862,500 to the following:

Description (\$ in thousands)	Agenda Bill	Budget Year	Expenditure Adjustment
PPE supplies for pandemic response.	AB5954	2022	\$25
City Hall safety upgrades - Phase 1.	AB5954	2022	250
Legal services specific to pandemic response.	AB5961	2021	40
		2022	40
Senior Management Analyst - Administration of ARPA Grant program.	AB5961	2021	34
		2022	68
Staffing to restart recreation programs.	AB5954	2022	416
Transfer to YFS Fund - Pandemic response to address social, emotional, and mental health needs.	AB5961	2021	118
		2022	872
Total			\$1,863

RECOMMENDED ACTION

Appropriate \$110,000 of American Rescue Plan Act (ARPA) Funds for the GIS Utility Network Data Upgrade.