



# Datacenter Modernization/ Relocation Project

Operations, Personnel & Technology Committee

Item 7-14

November 8, 2021

# Current Action

- Authorize an increase of \$985,000 to an existing agreement with PlanNet, LLC for a new not-to-exceed amount of \$2.885 million for professional services in support of the Datacenter Modernization Relocation project

# Background

- In June 2016, an assessment of the existing enterprise data center environments was conducted to identify the outstanding needs and to develop a comprehensive data center strategy. As a result, the Datacenter Modernization Relocation project was created
- The primary goal was to greatly improve systems resiliency, allow for modern recovery tools, strategies and enhance computing power growth
- In June 2019, the Board approved the Datacenter Modernization Relocation project for enterprise datacenters, both in-region and out-of-region

# Background

- The in-region Backup Datacenter was completed in August 2021
- The out-of-region Primary datacenter is currently in progress and is delayed due to multiple reasons:
  - COVID-19 restrictions in place since March 2020 impacted the schedule such as limited in-person work, reduced access at off-site locations, and limited the resource availability of staff and consultants
  - Additional cybersecurity safeguards were implemented to facilitate secure teleworking remote access for MWD employees including coping with the complexities of cloud migrations, adding new fault tolerant and secure networks and additional testing to ensure reliable automated failover of key systems

# Background

- PlanNet took on additional project activities to allow IT staff to work on MWD immediate needs
- Procurement and delivery of equipment were impacted due to supply chain delays for parts sourced domestically and overseas
- Equipment costs were significantly higher than originally estimated due to supply chain and limited chip availability which is still affecting procurements today

# Scope of Work

- PlanNet will keep supporting IT management on the direction, reporting and monitoring of all Datacenter Relocation Activities
- Will continue fine-tuning migration plans
- Support any ad-hoc procurements
- Continue coordination of installation, configuration and testing of all infrastructure related equipment
- Coordinate the migration of all MWD applications served by the primary datacenter



# Vendor Selection

- In March 2019, PlanNet LLC, was selected in Request to Proposals No. 1211

# Agreement Scope

## PlanNet, LLC

- Project Management Support
- Migration planning
- Procurement support
- Coordination of hardware and software support
  - Servers (physical and virtual)
  - Storage
  - Network installation, configuration and testing
  - Applications system deployments







# Project Cost Breakdown

Description	2019	2021	Total
Datacenter Relocation			
PlanNet LLC	\$ 1,900,000	\$ 985,000	\$ 2,885,000
Labor	\$ 1,350,900	\$ 1,030,000	\$ 2,380,900
Materials	\$ 3,320,000		\$ 3,320,000
Technical Services	\$ 695,000		\$ 695,000
Contingency	\$ 1,089,000		\$ 1,089,000
<b>Total Project Budget</b>	<b>\$ 8,354,900</b>	<b>\$ 2,015,000</b>	<b>\$10,369,900</b>

# Primary Datacenter Timeline

\*Backup Datacenter completed Aug-2021

Project Stage	Due Date	Status
Primary Location Selection	Nov 2020	
Primary Equipment Procurement	Apr 2021	
Board Action to add funds and extend project timeline	Nov 2021	In Progress
Primary New Equipment Installation	Dec 2021	In Progress
Network Setup	Jan 2022	Not Started
Applications Migration	Oct 2022	Not Started
Primary Site Completion	Dec 2022	In Progress

# Board Options

- Option #1

- Authorize an increase of \$985,000 to an agreement with PlanNet, LLC for a new not-to-exceed amount of \$2.885 million for professional services in support of the Datacenter Modernization Relocation project

- Option #2

- Do not proceed with an increase to the agreement amendment at this time

# Staff Recommendations

- Option #1

