



Datacenter Modernization/ Relocation Project

Operations, Personnel & Technology Committee

Item 7-5

January 11, 2021

Current Action

- Authorize an agreement with Switch Inc., in an amount not-to-exceed \$1,062,284 for the lease space for the primary location and authorize an agreement with SHI International, Inc., in an amount not-to-exceed \$4,077,866 for the procurement of equipment for the primary location space for the Datacenter Modernization/Relocation project.

Scope of Work

- Relocate MWD Primary and Backup enterprise datacenters to qualified colocation datacenter service providers. Colocation strategy in-region and out-of-region will provide all necessary infrastructure and services to support current and future MWD needs.

Procurement Process

- Datacenter lease space for the Primary location vendor selection process was done through RFP-1243 issued on March 11, 2020 with four (4) respondents.
- Datacenter equipment vendor selection process was done through RFB-RB-386839 issued on September 15, 2020 with seven (7) respondents.
- Respondents evaluated by MWD with support of subject matter experts.
- Final selection based on price, services offered and equipment availability.

Vendor Selection

- Switch was selected through RFP-1243 based on site rating (level 4), price and services offered.
- SHI International, Inc. was selected through RFB-RB-386839 based on price and equipment availability.
- Neither vendor selected is a SBE

Agreement Scope - Switch



- Lease of secured space
 - Tier 4 facility (Highest level)
 - Power redundancy (100% green)
 - Redundant AC with temperature control
 - Communications redundancy
 - 24/7 monitoring and reporting
 - Remote hands service

Agreement Scope

SHI International, Inc.



- Procurement of equipment
 - LAN & WAN
 - Servers and Storage
 - Physical Infrastructure
- Coordination of equipment delivery to designated locations
- Coordination of partial deliveries as required per schedule
- All purchased equipment is under respective manufacturers warranties
- No professional services included

Project Cost Breakdown - Switch

| Description | 1yr | 3yrs |
|--------------------------------------|-------------------|---------------------|
| Rent | \$ 200,985 | \$ 602,955 |
| Power | \$ 74,692 | \$ 224,076 |
| Remote Hands | \$ 12,181 | \$ 36,543 |
| Cross Connects | \$ 5,579 | \$ 16,737 |
| One time costs (without Cabinets) | | \$ 90,638 |
| Contingency | \$ 30,445 | \$ 91,335 |
| Total Project Budget | \$ 323,882 | \$ 1,062,284 |

Project Cost Breakdown

SHI International, Inc.

| Description | | Cost |
|-----------------------------|--------------|---------------------|
| Equipment Procurement | | \$ 3,315,338 |
| LAN Equipment | \$ 1,094,062 | |
| WAN Equipment | \$ 1,723,976 | |
| Server and Storage | \$ 331,534 | |
| Physical Infrastructure | \$ 165,766 | |
| Shipping & Estimated Tax | | \$ 430,994 |
| Contingency (10%) | | \$ 331,534 |
| Total Project Budget | | \$ 4,077,866 |

Primary Datacenter Timeline



Backup Datacenter Timeline



Board Options

- Option #1

Authorize two agreements; one with Switch, Inc. in an amount not-to-exceed \$1,062,284 for the lease of space for the Primary location and one with SHI International, Inc. in an amount not-to-exceed \$4,077,866 for the procurement of equipment for the Primary location space for the Datacenter Modernization/Relocation project.

- Option #2

- Take no action at this time

Staff Recommendations

- Option #1

