

TRC Meeting Agenda:

Date: 8/5/2021

Time: 10:00 AM

Location: WebEx and DTI GRAND CENTRAL, Room

Member	Person Representing (print name)
DTI – Director	Brian Osterloh
DTI- Deputy Director	Mark Leech
DTI – Applications	Del Ameko
DTI – Communications	Hipolito Fierro
DTI – Infrastructure and Operations	
DTI – ERP	Andi Lako
APD	Anthony Ballo
AFD	Paul Buck
Animal Welfare	
Aviation	
Cultural Services	
Cultural Services – Library	Oscar Montiel
Environmental Health	
Family and Community Services	
DFAS – Purchasing	Kassandra Ray
DFAS –Risk Management	Alan Gutowski
Municipal Development	
Parks and Recreation	
Planning	Darryn Phillips
Senior Affairs	Reggie Peterson
Solid Waste Management	Daniel Salazar
Transit	Stan Low
What	Agenda
Housekeeping:	
Call to Order	Brian Osterloh
Roll Call	Adam Erhard
Approve of the Agendum:	Motion to Approve with the addition of 1 item – Review of IT Commodity Standards for the purpose of updating the “Imaging – Scanner” section Systems: Brian Osterloh Second: Mark Leech Vote: Unanimous – Approved
Review Minutes from Previous TRC Meeting:	Motion to Approve: Mark Leech Second: Del Ameko Vote: Unanimous - Approved
Routine Business:	
Review and Approval of Policies, Procedures & Standards:	The IT Commodity Standards were reviewed and updated to include imaging system document scanning devices. Motion to Approve: Brian Osterloh Second: Mark Leech

	Vote: Unanimous - Approved
Review TRC Request:	
	<p>APD - 3 Tower Servers for CODIS – \$21,895.24 - Allan Armenta</p> <p><u>1. Description</u> 1- Dell PowerEdge T440 - Medium, 2 - Dell PowerEdge T440 - Small Servers. All 3 with Win Server 2019 Std and MS SQL Server 2019 Std</p> <p><u>2. Business Case / Justification</u> The three current State DNA database servers (located at the NMDIS, the APD crime laboratory and the DPS crime laboratory) are over five years old and are reaching the end of their service life. Additionally, to remain compatible with the next FBI mandated upgrades to the database software (scheduled for September of 2021) the state DNA database will also require software upgrades to SQL Server 2019.</p> <p><u>3. Maintenance, Training and Other Associated Costs</u> NA</p> <p><u>4. Impact to City / Dept Resources</u> NA</p> <p>Motion to Approve: Brian Osterloh Second: Mark Leech Vote: Unanimous - Approved</p> <p>Grid Modernization – BRAIN - \$58,000.00 – Saif Ismail</p> <p><u>1. Description</u> To meet our 100% renewable energy usage goals and effectively interact with the modern grid, the City of Albuquerque’s Energy and Sustainability Management Division (ESMD) Energy Command Center (ECC) seeks to establish a data repository and computer-based analytics platform that enables real time interaction with our current and historical utility related data streams. This data resource will be named the Balanced Resource Acquisition and Information Network (BRAIN). BRAIN will enable real time visibility, flexibility and responsiveness with the City of Albuquerque’s existing and future energy storage, generation and building controls resources to benefit the public, the City’s critical systems and infrastructure, the State of New Mexico and PNM.</p>

2. Business Case / Justification

By speeding up our energy decision making capability and enhancing our storage, generation and building controls resources, we envision achieving City of Albuquerque's 'interoperability' with the electric grid combined with the City's behind the meter flexibility to enhance 'resiliency'. Our flexible energy resources will participate with PNM during periods of critical peak demand as we opt into current and future demand side market instruments like demand response and future firm dispatchable market instruments. Our vision with BRAIN is to build an integrated data lake, machine learning 'neural network based' predictive models and both internal and public facing dashboards that are easy to use, outcome oriented, scalable, and easily adopted by other New Mexico public entities, ultimately residing behind each entities' secure firewalls. The City's Energy and Sustainability Management Division (ESMD) manages over 4,500 utility accounts, approaching 39 MW of solar, 9 battery installations and 50 building management systems across over 600 facilities. City of Albuquerque spends approximately \$23.3M per year in Utilities. This equates to \$11M in electricity, \$1.3M in gas and \$11M in water. Savings associated with our current initiatives project to Solar Direct (\$4M/yr.), LED streetlights (\$1.35M/yr.), on-site solar (\$1.28M/yr.), batteries (\$148K/yr.), 3% CIP (\$2.5M/yr.), GESPC (\$350K/yr.) approaching nearly \$10M/yr. Justification for the BRAIN initiative is to enable fast, flexible, and expert management of our renewable and energy saving resources to maximize their effectiveness. By building the energy data infrastructure for the future, ESMD will enable City of Albuquerque's participation and flexibility with the new demands of the modern electric grid. This positions City of Albuquerque to capture the future economic benefits of shifting electric loads and helping to balance the grid as constraints occur.

3. Maintenance, Training and Other Associated Costs

The ESMD Brain project is designed to show the efficacy of a data-based system within the Information Technology requirements of CABQ including, but not limited to cyber security and reduction time to determination and event or anomalies. Training on the database platform and visualization functions will be provided to the city as each phase of technology is deployed. Feedback will be performed by all Departments and stakeholders involved in the project. As the project is developed a determination will be made by ESMD/DMD and an ongoing Maintenance and Costs will be developed.

Depending upon the Information Technology requirements of CABQ, costs associated with internal cloud and server access along with IT personnel assistance would be required for external inbound data and system setup. We believe that this would be well within the current staffing of CABQ IT and Operations teams to support. Costs for an external cloud installation would be within the funding provided by the Grant.

4. Impact to City / Dept Resources

ESMD will provide insight, guidance, and oversight on the inbound data feeds to the BRAIN as well as the overall operator/user interface features and functions. Over the last year, ESMD and Mountain Vector Energy have shaped the many forms of source data and visualizations that would be planned for coded software automation and dashboard features. We believe that within the current ESMD business objectives, the BRAIN project will have a minimal impact to ESMD personnel. CABQ IT, Operations, and other technology departments would be asked to define and ensure compliance with IT requirements, possibly provide systems, servers and/or a cloud-based environment and reviewing the BRAIN architecture. Over the course of the project, we estimate that approximately 6 hours per month or 72 total hours would be required by CABQ IT over the twelve months of the initial project.

Motion to Approve: Mark Leech

Second: Del Ameko

Vote: Unanimous - Approved

INTRUSION ALARM - SUNPORT POOL – AQUATICS - \$6,730.36 – Dustin Kiska

1. Description

Project Detail: Intrusion System o Intrusion Panel: • One DSC NEO intrusion control panel and power supply will be installed in the Server/Communications Room replacing the existing DSC HS2016 panel. • One system transceiver will be installed on the wall adjacent to the panel in the Server/Communications Room. o Arm/Disarm Keypad: • One wired arm/disarm keypad will be installed adjacent to the control panel in the Server/Communications Room. The keypad will be used to program the system. • One wireless keypad will be installed adjacent to the main entry door (location to be determined by the Customer). The keypad will be used to arm and disarm the system. o Detection Devices: • One surface mounted door contact and wireless transmitter will be installed to

each of the following perimeter door locations to monitor door status: admissions/main entry (x2), Server Room, Male Locker Room, Lifeguard Office, Female Locker Room, Chemical Room, and the southeast and northwest entry of the Guard Room. • One motion detector will be installed in the following key locations inside the building to trap motion events: Entry Corridor, male locker room, female locker room and Guard Room. • Existing exterior motion detectors located on the southwest wall and northwest wall of the pool building will be reused. o System Repeater: • One signal repeater will be installed to extend the overall wireless range.

2. Business Case / Justification

To protect the property from theft and vandalism

3. Maintenance, Training and Other Associated

Costs

Yearly

4. Impact to City / Dept Resources

Minimal

Motion to Defer: Brian Osterloh

Second: Mark Leech

Vote: Unanimous - Deferred

International District Library

Community Room Audio Video System

- \$37,937.65 – Oscar Montiel

1. Description

Epson Projector and audio video for Library Community Room

2. Business Case / Justification

New Projector and audio video system for the International District Library Community Room

3. Maintenance, Training and Other Associated

Costs

1 Year Maintenance by vendor and supported by Library IT

4. Impact to City / Dept Resources

None

Purchase Requisition Number

RSC0016443

Motion to Approve: Del Ameko

Second: Oscar Montiel

	<p>Vote: Unanimous - Approved</p> <p>Scanners and Memory - \$11,618.28 – Carlos Zayas/Tanya Gallegos</p> <p><u>1. Description</u> Scanners and Memory</p> <p><u>2. Business Case / Justification</u> Scanner is to Scan HR Related Items and Memory for Computer</p> <p><u>3. Maintenance, Training and Other Associated Costs</u> Manufactures Warranty</p> <p><u>4. Impact to City / Dept Resources</u> Operating fund</p> <p>Motion to Remove from Agenda (This item is now covered under the IT Commodity Standard): Brian Osterloh Second: Mark Leech Vote: Unanimous – Removed from Agenda</p>
Technology Overview	Tim Skelton provided a brief overview of technology utilized by City of Albuquerque Planning Department.
General Information:	
Total Time:	50:23