



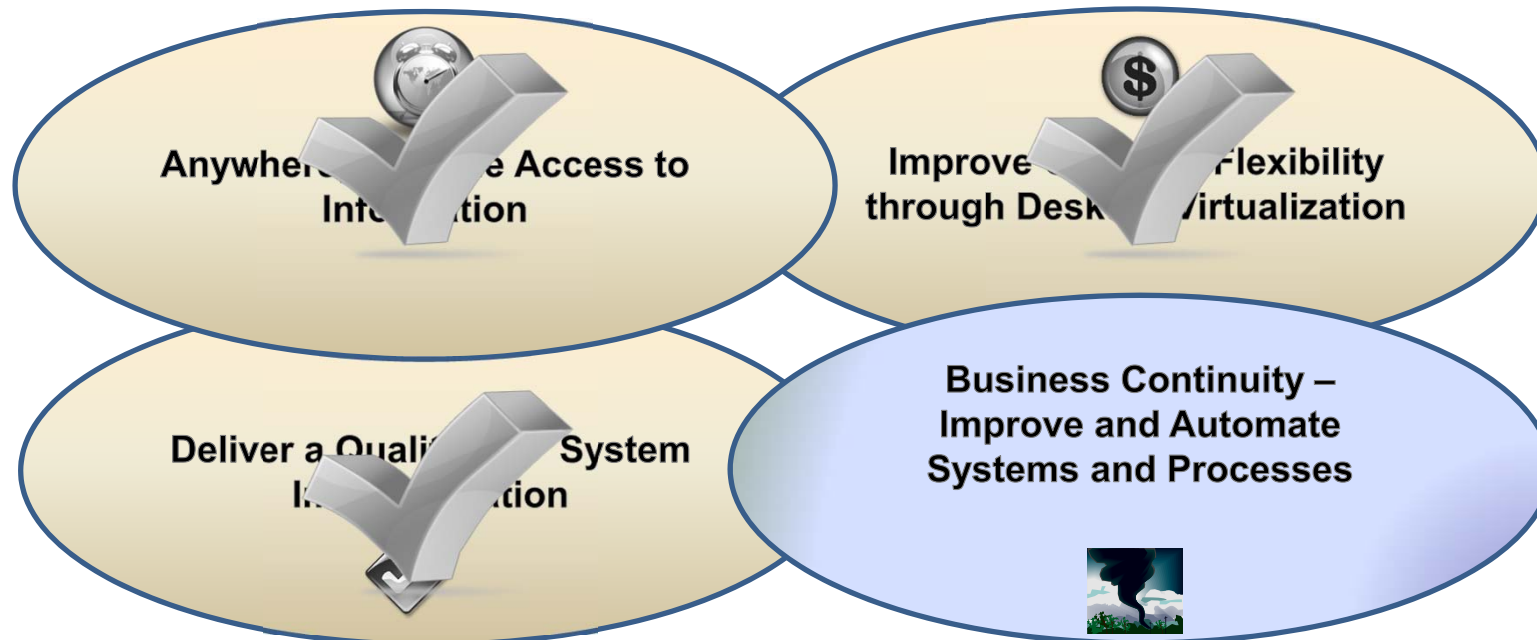
**IT Disaster Recovery  
at MCC, Round Two**

*COTW Board Meeting  
January 13, 2015*

# Agenda

- Update Status of Disaster Recovery at MCC, January 2015**
- Prep for upcoming January 22 Board Report**

## MCC Technology Master Plan – 4 Major Goals



# Disaster Recovery Status at MCC

## Preliminary List of Mission-Critical Systems

- ERP System (Colleague and its component parts)
- SQL Database Systems (needed for Colleague)
- Microsoft Exchange Email Servers
- Virtual Desktop Environment (Citrix, VMware, etc.)
- User File Systems (H: drives, Common drive, etc.)
- [Http://www.mchenry.edu](http://www.mchenry.edu)

## Systems would be available and operated from Shah Center in a DR Scenario

## Will be more than just a DR option

# Disaster Recovery Status at MCC

## □ **January Board Report will include:**

- Request to Lease Hardware using existing Dell Financial Master Lease Agreement. Items will include:
  - ✓ 5 Dell M6xx Blade Servers, Chassis Enclosure and rack
  - ✓ 2 Storage Area Networks (Dell SC4020 “Compellent” series) to support ERP and Virtual Desktop environments
  - ✓ Force 10 Network switching equipment
  - ✓ Systems Management software and maintenance
  - ✓ Installation support services

# Disaster Recovery Status at MCC

- ❑ **A Cloud-based DR solution was investigated as an alternative to the Shah Center solution**
- ❑ **Technical assumptions used for the Cloud were consistent with those used to size the Shah Center DR solution:**

Google-based Cloud Option:	\$ 24,647.18 monthly charge
On-going Annual Cost:	\$ 295,766.16, or <b><u>\$1.47M</u></b> over 5 years
Amazon Web Service Option:	\$ 43,022.44 monthly charge
On-going Annual Cost:	\$ 516,269.28, or <b><u>\$2.58M</u></b> over 5 years

- ✓ Above costs do not include additional internet bandwidth needed to support a DR connection to the Cloud
- ❑ **Five-Year Lease Cost for Shah Solution: \$ 490,452.50**

## □ January 22, 2015 Board Meeting

- Board Report requesting lease of Shah DR equipment and services:

- **Expected Costs:**

Annual Lease Cost:                    \$ **98,090.50**

Total Five-year Lease Cost: \$ **490,452.50**

(Includes a \$134,000 discount for engaging by the end of January 2015)

- **This DR solution also covers items that would be needed in FY16 in the absence of a DR solution:**

- Replace aging Mac storage capacity:    Approx. \$ 25,000 purchase
- Replace aging ERP SAN's:                    Approx. \$250,000 purchase