

Information Technology & Services Budget Request Form

Contact Information

Name: Mike Glass
Phone: 406.447.8348

Department: Information Technology & Services
Request Number: FY17-NR-Enterprise Backup Appliance

Request Information

Description: Enterprise Backup Appliance

Justification: Our existing backup capacity is near its capacity of holding 2 weeks of information and backups are taking very long to complete. Upgrading our existing box or getting a second one will offset the backup times and give us more capacity.

Cost Benefit or Return on Investment Statement: Enterprise backups for restoring servers from hardware a hardware failure or loss of information. This comes with pledge which means you get a replacement with new technology after 5 years, and just pay the maintenance

Request Cost

Initial Cost: \$62,832 Annual (Ongoing) Costs: A 5 year CIP cycle.

Proposed Funding

Per PC: Network Fee: 100% Per FTE: Per Telecom:
Amount: \$62,832.00 Other (Please Identify):

Request Disposition

Department: _____ Date: _____
IT Steering Committee: _____ Date: _____
IT Board: _____ Date: _____

Information Technology & Services

Budget Request Form

Contact Information

Name: Chris Sinrud
Phone: 406.447.8322

Department: Information Technology & Services
Request Number: FY17-NR- DR Site Prep

Request Information

Description: Backup Generator/UPS – Water Utility

Justification: For many years and after many discussions, checks, and contemplation IT&S Staff has agreed upon the Water Utility as the best fit for a Disaster Recovery and backup site.

The process will be completed in stages:

Stage one would be entail the migration of enterprise equipment, since most of the servers have been moving to virtual it lends to the repurposing existing equipment to that site.

The second stage would be to setup an additional storage area network (SANS) and a Virtual Host Server like the one we have in the basement of the City County Building. The second Host/SANS is needed to host the virtual servers that could be duplicated from the City County Building. Initially IT would duplicate core infrastructure services, and then start working with management to see which systems would be essential to operate basic servers in the event the City County Building became unavailable.

The third stage involves testing the migration of services to the site and utilizing the tool sets currently in place for our Virtual Server environment.

The last phase of the project would involve the coordination of mock disaster exercises. IT staff will work with each department to schedule these.

Some items of note here: Organizations/Departments who work with the State and Federal governments are now being tasked to provide disaster recovery plan and/or site. Those that come to mind are both Pureview and Lewis & Clark County Health. By having a secondary site IT&S could work with the various departments on those requirements.

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There are many reasons for having a disaster recovery site. An example is the recent events at the Mike A. Murray building if that problem had been much worse IT&S does not have a place where any of those services could have been restored in a timely manner. It is the same throughout the Enterprise. We believe Water Utility site can provide that.

Cost Benefit or Return on Investment Statement: The cost benefit should be measured by the amount of time it would save in the event of an extended outage of services for the departments. If the City/County Building has a major problem and the servers are unobtainable from the network we have no efficient way of restoring services in a timely manner. This site creation would allow that for the Enterprise. The other advantages for the Enterprise here are the flexibility of having distributed services, in other words, not all our eggs in one basket. Ease of management for the IT staff due to having direct involvement in designing, building, implementing and testing. The departments will have a vested interest since they will have been involved in determining what services they deem essential to the public, as well as testing those services in a test event.

Request Cost

Initial Cost: \$42,500.00 *Annual (Ongoing) Costs:* A 20 year CIP cycle.

Proposed Funding

Per PC: *Network Fee:* 100% *Per FTE:* *Per Telecom:*
Amount: \$46,000.00 *Other (Please Identify):* _____

Request Disposition

Department: _____ *Date:* _____
IT Steering Committee: _____ *Date:* _____
IT Board: _____ *Date:* _____

Information Technology & Services Budget Request Form

Contact Information

Name: Mike Glass
Phone: 406.447.8348

Department: Information Technology & Services
Request Number: FY17-NR- DR SAN

Request Information

Description: San Storage and Redundant Switching

Justification: Backup Site for critical services, Storage for archive backups, alternate site for DNS, Backup Domain Service, Disaster recovery site for applications hosted in the virtual environment. With this san we can replicate data from our existing enterprise san and have instant recovery if there was a hardware failure or disaster, without having to go through the process of restoring from backup.

Cost Benefit or Return on Investment Statement: The cost benefit should be measured by the amount of time it would save in the event of an extended outage of services for the departments. If the City/County Building has a major problem and the servers are unobtainable from the network we have no efficient way of restoring services in a timely manner.

Request Cost

Initial Cost: \$55,700 Annual (Ongoing) Costs: A 10 year CIP cycle.

Proposed Funding

Per PC: Network Fee: 100% Per FTE: Per Telecom:
Amount: \$55,700.00 Other (Please Identify):

Request Disposition

Department: _____ Date: _____
IT Steering Committee: _____ Date: _____
IT Board: _____ Date: _____