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Enterprise IT Architecture

Flash Research Paper #1

By switching to a Tier III datacenter, we can earn a net benefit of \$13,229,056. With a tier III datacenter we will experience fewer outages during the year because of the redundant capacity built into it.

System blackout prevention should be our number one priority, and a tier III prevents this issue. A tier III datacenter has redundant components built into it, and can manage maintenance periods that do not affect the servers that are running. Tier III datacenters have a 99.98% availability due to these redundant components, compared to 99.67% in a tier I. This availability comes from the N + 1 redundancy of its uninterruptible power supply which provides consistent power and also has another power supply as a backup.

It will take one year and cost us \$35 million to build a tier III datacenter. It will have benefits of \$24,114,528 per year after installation with a total 3-year period benefit of \$48,229,056. This will result in a net benefit of \$13,229,056 that our company will gain.

Works cited

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