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Enterprise IT

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Flash Research Paper 1

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**Flash Research Assignment:** Data Centers and Networking

Switching from a Tier I to a Tier III data center would allow us to see a three-year cost benefit of $13,229, 056. Currently, our organization is at a major disadvantage with managing our data center downtime cost. We can build a Tier III data center allowing our data center to be available 99.98 % of the time, which would enable us to better serve our clients.

The Tier III data centers are widely known for their uptime and redundancy measures. The difference in yearly downtime cost from Tier I to Tier III is huge. With the implementation of the Tier III we would face downtime of only 105 minutes per year compared to 1734 minutes per year with our current Tier I data center. Investing in the Tier III data center will help us take the right measures to reduce the risk of business interruption with no shutdowns required whether we are undergoing maintenance or replacing equipment. In case of a power outage the Tier 3 data center would provide us with 72 hours of protection.

The construction of the Tier III data center will cost us $35,000,000 to implement. However, investing in this data center will save us over $48,229,056 over the next three years. Also, we would create a cost benefit of $13,229,056 in the next three years which will positively impact our financial statements.

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