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Flash Research Paper One

 Tier III Data Center

 Implementing a Tier III data center would give our company a net benefit of $13,229,056 over the next three years. The primitive nature of our current Tier I data center has been causing the majority of our outages that the Tier III data center would help prevent. Upgrading to the Tier III data center would reduce cost and decrease the number of outages we experience per year.

A Tier I data center offers no redundant components, which leaves it susceptible to a system shutdown if there is ever an interruption in its distribution path. A Tier III datacenter would offer “redundant capacity components and multiple independent distribution paths serving the critical environment.” (Uptime) The Tier III datacenter’s redundant parts can receive maintenance while not impacting the whole center and preventing the need for an entire system shutdown. The Tier III data center would provide us with a back-up plan if interruptions ever occur, as its multiple distribution paths would allow us to work keep working if there were any interruptions. Our downtime would be reduced to 1734.48 with our Tier I data center to 105.12 minutes with a Tier III data center.

The total three-year cost of Tier III implementation is $35 million and would take one year to be built. The total three-year benefit of the Tier III datacenter would be $48,229,0056 because of the decreased downtime. The net benefit of implementing a Tier III datacenter would be $13,229,056.

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