CIO,

Investing $35,000,000 into a tier III data center will save our company roughly $38,899,360 by year three of implementation. With our current Tier I data center our systems go down for about 1734 minutes a year and we lose about $14,800 per minute. A Tier III data system will reduce this from 1734 to 105 minutes, which is a savings of roughly $24,114,528.

Investing in a Tier III data base gives us all new technologies that Tier I data centers could never offer us before. Tier III provides our company with a concurrently maintainable data center, offering redundant capabilities which is something Tier I can’t provide for us. Tier III provides us with more than one distribution path to serve the computer equipment even though the equipment only needs one path. This is beneficial to us because even if a path shuts down we will be able to stay up and running with our other distribution path. We can also do maintenance on different distribution paths while the other path is still running which allows the computer equipment to keep running. Tier III also offers us 72 hours of power outage protection while tier I offers us none. Tier III gives us the best chance against power failures, perform maintenance, and keep our business up and running.

Every year our Tier I data center costs us $25,670,304 in lost revenue and Tier III will save us about 94% in lost revenue which is a savings of $24,114,528. Our initial investment will cost $35,000,000 which means that in the first year Tier III will be more expensive but by year two we already start to see savings. By this point Tier I will have cost us $51,340,608 and Tier III only 36,555,776 which is a savings of $14,784,832 and by year three you more than make your money back for investing in a Tier III database. In year three the Tier I database has now cost our company $77,010,912 in lost revenue and our Tier III datacenter has only cost about $38,111,552 and this is a savings of $38,899,360 which more than makes back our initial investment of $35,000,000. By upgrading our company’s database from 99.67% to 99.98%, just a simple .31%, we save our company millions of dollars.

Tier III: Concurrently Maintainable Site Infrastructure." *WwwDPAIRcom*. N.p., n.d. Web. 08 Sept. 2014.

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