

**Planning Document - not a formal quote:
WSP Datacenter Refresh - Server/Storage/Infrastructure/DR**



5750 Duluth Street
Golden Valley, MN 55378
763-543-2600

Date: February 3, 2020
Member: City of West St Paul
Prepared By: Brent Rebeschke

SAN / Storage Purchase:		
Option 1: Compellent 3020 w/ 16x2.4TB 10k Drives - 29TB - City Hall		\$ 27,031.75
Option 1: Compellent 3020 w/ 16x2.4TB 10k Drives - 29TB - Public Works		\$ 27,031.75
Other option: DellEMC - UnityXT - VNX		
Other option: Dell Appasure Hardware appliance		
Other option: Primary SAN and secondary appliance (Compellent and Cohesity -35K) (AD, SQL, Exchange)		
Server Purchase:		
Dell PowerEdge R7415 w/ 256GB Memory. No HDD. AMD 7302 proc		\$8,913.00
Dell PowerEdge R7415 w/ 256GB Memory. No HDD. AMD 7302 proc		\$8,913.00
Dell PowerEdge R7415 w/ 512GB Memory. No HDD. AMD 7302 proc		\$13,000.00
(5 years hardware/software maintenance costs are included)		
Infrastructure Replacement Project:		
City Hall - 3 x 9300's and 8-port SFP+ modules		\$ 25,000.00
Public Works - 2 x 9300's and 8-port SFP+ modules		\$ 17,000.00
need to assess site to site redundancy and speed		
Cables:		
TwinAx- Active Optical Cables (16 x 30' for City Hall)		\$ 2,587.20
TwinAx Active Optical Cables (16 x 21' for Public Works)		\$ 2,587.20
VMWare Software Purchase:		
VMWare - 3 vSphere standard licenses already owned - no more licenses are needed		\$ -
Windows Software Purchase:		
3 x Datacenter processors needed - 16 core (5 year cost of 10K each) (no cost now if keep server 2012 or below)		\$ 30,000.00
Exchange not assessed		
SQL not assessed		
User cals not assessed		
Could push to 2022		
Backup and Recovery Solution:		
Current election is to stay with VEEAM		
Estimated Labor		
See Est Labor Costs tab for details		\$29,500.00
Note: Windows refreshes are not included		
Total Cost Option 1a:		\$191,563.90

Option 1b:	
Total Cost	191,563.90
less software to 2022 and SQL Server	(30,000.00)
Adjusted	<u>161,563.90</u>