



City of Norwich

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ADDENDUM

RFP No.: 20-16

Addendum No.: 1

Issued: February 13, 2020

Opening Date and Time: February 25, 2020 at 2:00 P.M.

Title: Server Infrastructure

Bidders Note

This Addendum is issued to provide all bidders with responses to the Requests for Information.

All other terms and conditions remain the same.



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Responses to Requests for Information

Question 1: Can the 1GB fiber of the City's Metropolitan Area Network be upgrade to 10GB?

Response 1: The City's MAN cannot be upgraded to 10GB at this time.

Question 2: Which of the Veeam software are you using, Veeam Backup and Replications, Veeam Backup Suite or Veeam One?

Response 2: We do not have a current implementation of Veeam. Servers are backed up individually with NovaBackup. We are looking for Veeam Backup and Replication

Question 3: What is the current backup target? Will that remain the same or do we need to provide this as part of our design?

Response 3: The current backup targets are WD MyBook NASs. They are being phased out and being replaced with 1 Dell PowerEdge R720xd at each location. The new backup target will have 2x 1gb RJ45 uplinks and 2x 10gb SGP+ uplinks. The approximate storage will be 24TB.

Question 4: Can you provide an RV tools report that will give us more information of the current environment? Therefore, allowing us to provide an even more exact sizing of the storage component of our design.

Response 4: RVtools export is attached.

Question 5: How may physical servers (VMWare Hosts) are you looking for at each location (it appears that you are looking for 2-3 for the City Hall and 2-3 for the Norwich Police)?

Response 5: We are looking for 2 hosts per location

Question 6: How much memory is being consumed (used) on each of your four hosts today?

Response 6: Please see attached RVtools export for both locations

Question 7: How much CPU is being consumed (used) on each of your four hosts today?

Response 7: Please see attached RVtools export for both locations

Question 8: Do you have any server growth plans that would consume more CPU and memory?

Response 8: We do not anticipate much growth, approx. 10-20% over 5 years.

Question 9: Are you looking for VMWare Host Servers and a SAN at each location?

Response 9: We are looking for 2 VMware host servers and 1 SAN per location.

Question 10: Are you looking to replicate at the SAN level (storage LUNS) between the City Hall and Police bi-directionally?

Response 10: Not at this time due to bandwidth limitations (1gb) which cannot be upgraded to 10g without significant cost.

Question 11: The Veeam Backups – are they going to reside on the SAN storage for the City Hall and on the SAN storage for the Norwich Police?

Response 11: Veeam Backups will reside on a Dell PowerEdge R720xd at each location. The server will have 2x 1gb RJ45 uplinks and 2x 10gb SGP+ uplinks. The approximate storage will be 24TB.

Question 12: Do you intend to replicate the backups from the City Hall to the Police and the Police back to the City Hall?

Response 12: Not at this time due to bandwidth limitations (1gb) which cannot be upgraded to 10g without significant cost.

Question 13: Can we provide an alternative Backup solution in as an alternative to Veeam?

Response 13: Yes. It should have feature parity with Veeam's Backup and Replication suite. Primarily we are concerned with VM Recovery and File-Level Recovery. We frequently have to restore erroneously deleted or modified files.

Question 14: If so, would you like to see it as an option?

Response 14: We would like to see alternatives so long as they are cost-effective and in feature parity with Veeam Backup and Replication

VM	Powerstate	CPUs	Memory	NICs	Disks	Provisioned MB City Hall	In Use MB	Datacenter	Host	Operating System
CityAD1	poweredOn	2	4,096	1	1	122,888	27,013	City Hall	Host1	Server 2016
CityAD2	poweredOn	2	4,096	1	1	122,888	27,146	City Hall	Host2	Server 2016
CityApp1	poweredOn	2	12,288	1	1	358,403	27,870	City Hall	Host1	Server 2016
CityApp2	poweredOn	2	4,096	1	1	153,607	85,286	City Hall	Host2	Server 2016
cityDHCP1	poweredOff	2	4,096	1	1	166,017	88,056	City Hall	Host1	Server 2012
CityMIS1	poweredOn	2	4,096	1	1	204,805	105,641	City Hall	Host1	Server 2016
CityPrint	poweredOn	2	4,096	1	1	205,192	35,912	City Hall	Host2	Server 2012
Citysrv1	poweredOn	2	6,144	1	2	1,575,161	1,269,470	City Hall	Host2	Server 2016
citysrv10	poweredOn	1	4,096	1	2	307,220	271,844	City Hall	Host1	Server 2008 R2
citysrv5	poweredOn	2	12,288	1	1	359,451	359,451	City Hall	Host1	Server 2008 R2
citysrv7	poweredOff	1	4,096	1	1	316,244	202,114	City Hall	Host1	
citysrvVC	poweredOff	2	8,192	1	1	123,328	107,726	City Hall	Host1	
Citysrv-vcasa	poweredOn	2	10,240	1	12	235,388	29,709	City Hall	Host1	VMware Photon OS (64-bit)
CityWDS	poweredOn	2	2,048	1	1	184,322	77,755	City Hall	Host2	Server 2016
Police Department										
IMC1	poweredOn	1	8,192	1	2	1,675,266	1,212,743	NPD1	Host2	Server 2012
IMCMob	poweredOn	1	8,192	2	1	102,404	21,367	NPD1	Host2	Server 2012
NETMot	poweredOn	2	8,192	1	1	102,402	36,824	NPD1	Host2	Server 2012
OLDServer1	poweredOff	1	4,096	1	1	301,324	118,129	NPD1	Host1	
OLDServer2	poweredOff	1	4,096	1	1	106,842	40,273	NPD1	Host1	
PDsrvCenter	poweredOn	2	10,240	1	12	263,930	11,367	NPD1	Host1	Other 3.x or later Linux (64-bit)
pdsrvVC	poweredOn	2	8,192	1	1	118,238	114,125	NPD1	Host1	Server 2008 R2
Server1	poweredOn	2	12,288	1	2	2,109,440	1,768,380	NPD1	Host1	Server 2016
Server2	poweredOn	2	12,288	1	1	122,880	23,615	NPD1	Host2	Server 2016
Server3	poweredOn	2	12,288	1	1	122,880	23,615	NPD1	Host1	Server 2016