

Civic Systems Cost Analysis

***All costs are to be split 25% to each General, Water, Sewer and Liquor*

Cost of Server: ***Used max cost quoted*

\$6,500.00 Server
 \$4,500.00 Setup
 \$500.00 Battery Backup
\$11,500.00

Cost of Program: ***Split among three payments - one at signing, one in January 2021 and one in January 2022*

\$43,500.00

Annual Support:

\$7,060.00 ***Currently we pay \$1,975/year to Banyon for support*

Cost in 2020 (Includes server and one program payment): \$ 26,000.00

Cost in 2021 (Includes one program payment and annual support): \$ 21,560.00

Cost in 2022 (Includes one program payment and annual support): \$ 21,560.00

Cost starting in 2023 (Annual support only): \$ 7,060.00

Savings potentials: ***MONTHLY - used average of \$35/hour for employee pay for simplicity (includes taxes and benefits)*

	Rate of Pay	Current Hours Hours	New Potential Hours	Banyon Cost	Civic Systems Cost	Savings Potential
Processing AP for On/Off Sale monthly	\$ 35.00	16.00	4.00	\$ 560.00	\$ 140.00	\$ 420.00
Monthly Closing entries/creating liquor financials	\$ 35.00	8.00	4.00	\$ 280.00	\$ 140.00	\$ 140.00
Receipts On/Off Sale monthly	\$ 35.00	3.00	1.50	\$ 105.00	\$ 52.50	\$ 52.50
Average monthly down time due to system lockup/lockout (On average 2 hours a week) <i>**This takes all employees in the office down. Rate shows 2 employees.</i>	\$ 70.00	8.00	0.00	\$ 560.00	\$ -	\$ 560.00
Dealing with miscellaneous issues within the system such as duplicating check amounts, combining separate checks, dropped batches, etc.	\$ 35.00	3.00	0.00	\$ 105.00	\$ -	\$ 105.00
Time expected to gain from implementation of the miExcel plug in with the new system to help with reporting and questions from council, managers and public. This plugin will allow us to quickly retrieve information and create custom reports that can be updated instantaneously without the need for manual entry or going to multiple reports. Expected to cut our time in half.	\$ 35.00	10.00	5.00	\$ 350.00	\$ 175.00	\$ 175.00
Utilizing custom made fields within the new utility billing program could potentially eliminate several spreadsheets that we currently utilize for various items we have to report. This will mean we can retrieve this information with a simple report rather than keying it into the spreadsheet.	\$ 35.00	2.00	0.00	\$ 70.00	\$ -	\$ 70.00
Eliminating or at least greatly reducing call in payments for utility bills. Also time saved for the information transfer from the payment system to the accounting system that is currently being hand keyed for each payment. Average of 5 hours per week.	\$ 35.00	20.00	2.00	\$ 700.00	\$ 70.00	\$ 630.00
Potential Monthly Savings:	\$ 2,152.50					
Potential Annual Savings:	\$ 25,830.00					
Total Hours/Month:		70.00	16.50			

53.50 Potential Monthly Hours Saved

Server Cost

From: David Eischens <davee@computerwrangler.net>
Sent: Thursday, July 16, 2020 10:41 AM
To: Michelle Hayes <michellehayes@stacymn.org>
Subject: RE: City of Stacy

Sharon and Lynda PCs more than capable, yours didn't reach the needed specs because of the i3 processor. As for server storage, that was a typo. Should have read 1.8TB or 1800GB, in a RAID 10 array. The physical server operating system will be on separate disks in a RAID 1 array with 600GB all to itself. I would think that would be enough space but we can look at each PC now to confirm and see how much data is being used. It's always easier for me to spend other people's money but yes, this would be the best recommendation.

Oh, oops. One thing I didn't include is a battery backup for the server. The typical ones we spec on the APC or Dell 1500 series which run about \$500. And if you wanted it to have its own monitor would just need a cheapo for \$100 or so.

dave e

From: Michelle Hayes [mailto:michellehayes@stacymn.org]
Sent: Thursday, July 16, 2020 9:53 AM
To: David Eischens
Subject: RE: City of Stacy

Thank you so much for this! I appreciate it!

Just want to make sure I am clear, Sharon and Lynda's machines are capable of handling the requirements they gave correct? It is only my machine that isn't sufficient? With Lynda leaving before we get this new system, we probably won't upgrade my machine just yet unless we end up getting a part time data entry person as long as their systems are sufficient.

Also, on the server below for \$5500-\$6500, it looks like that is your best recommendation right? Is 1.8GB enough storage? That seems low or is that referencing something other than general storage space for the programs and documents? When we do this, we plan to make the server a location for all shared documents and the new software application so we don't have those saved on our personal computers and allows us both full access to them.

Michelle Hayes
City of Stacy – Finance Director

From: David Eischens <davee@computerwrangler.net>
Sent: Wednesday, July 15, 2020 7:48 PM
To: Michelle Hayes <michellehayes@stacymn.org>
Subject: RE: City of Stacy

So I spec'd out 3 different servers, one Dell Precision Workstation, and one Optiplex desktop as server. Here's ballpark pricing:

Server - \$5,500 to \$6,500 - pretty safe to say it won't be more than \$6,500 (RAID 1/10 OS/Data, 1.8TB storage. Best option for Virtual Machines)

Precision Workstation - \$4,500 (RAID 1 shared OS and Data, 1TB storage)

Optiplex Desktop - \$3,200 (RAID 1 shared OS and Data, 1TB storage)

Optiplex desktop for Michelle - \$2,000

The specific configurations of course are technical and I can detail them out if you want to review. (there are a lot of options!) Tried to get processors with maximum cores and speed. All hard drive configs meet or exceed needed specs.

Estimates on installation costs vary according to Windows workgroup or domain, \$4,500 or so should be max.

Will guess there might be questions, feel free to shoot them by.

thanks!

dave e

Dave Eischens

CW Tek - IT Consultants

651-462-8809 | 952-484-3940 mobile

From: Michelle Hayes [<mailto:michellehayes@stacymn.org>]

Sent: Tuesday, July 14, 2020 4:20 PM

To: David Eischens

Subject: RE: City of Stacy

Hi Dave!

I have to get the final budget proposal to the council by next week. Would you be able to get me a good estimate of the cost of the server and the cost of labor to set the server up and get the new program up and running?

Thanks!

Michelle Hayes

City of Stacy – Finance Director

From: David Eischens <davee@computerwrangler.net>

Sent: Tuesday, June 30, 2020 12:17 PM

To: Michelle Hayes <michellehayes@stacymn.org>

Subject: RE: City of Stacy

Hi again,

I wonder if Civic Systems is a rebranded reseller for Caselle Connect then? The hardware system requirements doc had Caselle Connect in header.

And so I called Civic Systems and Caselle Connect is the underlying database engine. And then looked back in my email and that is the reseller that had responded and answered my questions.

Sorry for rambling, I think I have all the info I need now.

thx, dave e

From: Michelle Hayes [<mailto:michellehayes@stacymn.org>]
Sent: Tuesday, June 30, 2020 11:01 AM
To: David Eischens
Subject: RE: City of Stacy

Hi Dave,

Sorry I have been out over the weekend and just getting to this today. I haven't ever heard of Caselle so I would say no. Are you meaning Civic Systems, one of the systems we are looking at?

Michelle Hayes
City of Stacy – Finance Director

From: David Eischens <davee@computerwrangler.net>
Sent: Thursday, June 25, 2020 3:07 PM
To: Michelle Hayes <michellehayes@stacymn.org>
Subject: RE: City of Stacy

Hi Michelle, haven't forgot about your project. Question: If you spoke with a reseller for Caselle Connect, can you forward me their contact info? The main Caselle website refers questions to resellers.

Thanks

dave e

Dave Eischens
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From: Michelle Hayes [<mailto:michellehayes@stacymn.org>]
Sent: Wednesday, June 10, 2020 11:09 AM
To: David Eischens
Subject: RE: City of Stacy

Thanks Dave! I appreciate you looking into this so we can get the proper setups and costs involved with getting us up and running with a new system hopefully next year. I will be here until 5, so please just call whenever you have some time and we can jump on.

Thanks!

Michelle Hayes
City of Stacy – Finance Director

From: David Eischens <davee@computerwrangler.net>
Sent: Wednesday, June 10, 2020 10:33 AM
To: Michelle Hayes <michellehayes@stacymn.org>
Subject: RE: City of Stacy

Hi Michelle,

Looking at workstations first, Lynda and Sharon PCs definitely meet specs for this accounting system, and I **think** yours does but would have to double check, not sure on the processor.

They appear to recommend an actual server with 8 superfast hard drives, probably in a RAID 1 + RAID 10 configuration. Likely the optimal setup would be 1 physical server and 2 virtual machine servers or VMs. 2 VMs are typically included with the physical server license, one VM for network server and the other for SQL/Caselle server. A nice part of this design is that file shares can be relocated to server also.

SQL Express should be fine although there are limitations on database size (10GB) and other “resources” it’s allowed to use.

I’ll detail this out soon, but for now is there a time that’s good to get access to Sharon’s docs? We can see if your PC meets specs at same time.

thanks

dave e

Dave Eischens
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From: Michelle Hayes [<mailto:michellehayes@stacymn.org>]
Sent: Tuesday, June 09, 2020 3:02 PM
To: David Eischens
Subject: City of Stacy

Hello Dave!

I am putting together some costs for the council on purchasing a new accounting system to get us away from Banyon. The attached outlines computer/network requirements for the software we are looking at. I know we have talked here about getting a standalone computer to house our main software and having the other three path to it like a network. Not sure if we should just have a standalone computer with the proper setup or if we should go for the actual server. With our size, I am pretty sure we wouldn’t need to get the full SQL application and we should be able to just utilize the free SQL Express, but would like your opinion. We are looking at this for next years budget, but can you please provide us with a ballpark of what our cost would be to purchase this separate computer or server and set it

up? Also if there is any cost we may need to get our current machines up to the standard needed if any are lacking?

Also, we need to get Sharon's documents folder able to be shared with me so I can access her files from my computer. Can you please help us get that set up when you have a moment?

Thanks!



Michelle Hayes
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