GREENE COUNTY INFORMATION TECHNOLOGY 2016 ANNUAL REPORT TO THE GREENE COUNTY LEGISLATURE

Greene County Information Technology
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Mission Statement

Information Technology is a crucial component of modern government. As a support element for service delivery in County government, information technology is increasingly the vehicle of choice for direct delivery of County services and information.

The mission of Greene County information Technology is to provide reliable and responsive information technology services, application services, infrastructure and data center services to Greene County departments and agencies.

Technical Vision Statement

Deliver easy to use internet applications to make information more accessible to citizens and all stakeholders in Greene County.

Provide growth on Microsoft, Linux and SQL Based technologies and first rate support on existing systems.

Continually enhance network and application security to protect Greene County information resources.

Enable business continuity by delivering networking and server technologies which provide redundancy, availability, speed, reliability and flexibility

Utilize technologies incorporating data, images, internet, documents, mapping and business processes to promote enterprise solutions and enhance department and agency communication and collaboration.

Information Technology Staff 2016

John Wynne – Director – Background, has been with Greene County for 14 years as Director of Information Technology

Previous experience – Owner of Columbia-Greene Systems for 14 years. Began Computer Industry career in 1981 with CPI, Computer Professionals International

Serves on Board of Directors of New York State Local Government IT Directors Association Has served on Board of NYS Office of Critical Infrastructure and Cyber Security

Has served on the Board of the NYS IT Leadership Academy

Senior Systems Support Technician – has been with Greene County for 10 years. Previous experience – Mid-Hudson Cablevision

Network Engineer – Has been with Greene County for 2 ½ years. Previous experience – Graduate of St. Lawrence University and ITT.

Since May 16, 2016 – System Support Technician – Had been with Columbia Memorial Hospital for 18 years in IT Technical Support.

Highlights of 2016

Annual updates of County fleet of computers, peripherals and software. We work on the basis of a 5 year turnover of technology. Therefore, 20% of our more than 400 computers need to be replaced annually. 80 computers are replaced each year. This has proven to be a good fit for Greene County, assuring a reliable and cost efficient inventory of technology.

Although Cyber Security has been a focus for some time. Fortifying networks and desktops became a more proactive endeavor in 2016. We contracted with Tag Solutions to perform penetration testing on our networks. With that, several immediate actions were taken to improve network security. Several procedures and practices were adopted to assure ongoing high levels of network security.

Google Analytics are provided on a monthly basis to all department heads. Allowing them to see the growth of interaction on the internet and illustrate the value of their part of the greenegovernment.com website.

Completed the move to Voice over the Internet (VOIP) phone system to all but one department.

Support of all County Agencies and Departments.

Continued support of OnBase Electronic Document System and work flow system.

Rebuilt Wireless Network at 411 Main Street, featuring a guest, and a separate trusted wireless network

Installed wireless Network at Cairo Mental Health Building.

Continually work with Board of Elections – supporting the web updates with each election. 2016 was a more demanding year than usual with Presidential elections.

Development an IT disaster recovery and business continuity plan.

Installed new server at Greene County Sheriff and consolidated Civil and Law Enforcement services onto one server.

Improved wide area networks with Branch Office VPN connections and more robust IP standards.

Support and service of Emergency Services was removed from Greene County Information Services responsibilities, and outsourced to Intelligent Technology Solutions in Coxsackie, New York by the County Administrator.

Build of IT Document Library on IT Shared drive with practices and procedures documented and available to all IT Staff.

Backup of all Servers utilizing: Snapshot technology, redundant storage devices and Cairo>Catskill, Catskill>Cairo replication.

Have added additional level of backup to SAN Drives on weekly basis allowing for file level restoration if needed.

Added additional Data Storage capacity with Dell Equalogic SANs and Seagate Business Class storage. We now currently have over 50 terabytes of storage online.

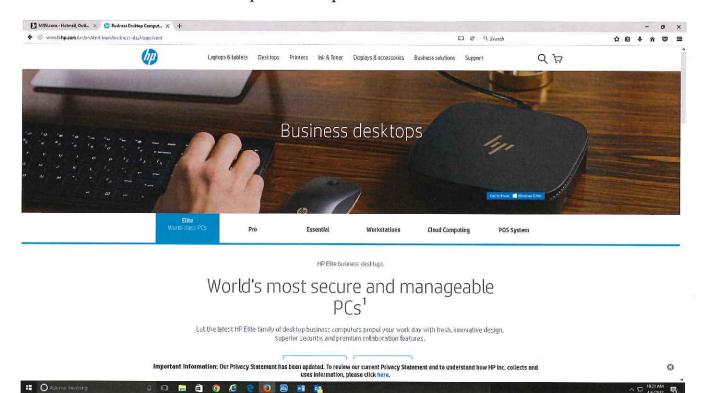
Updated and installed Sheriff's GunKeeper Software system

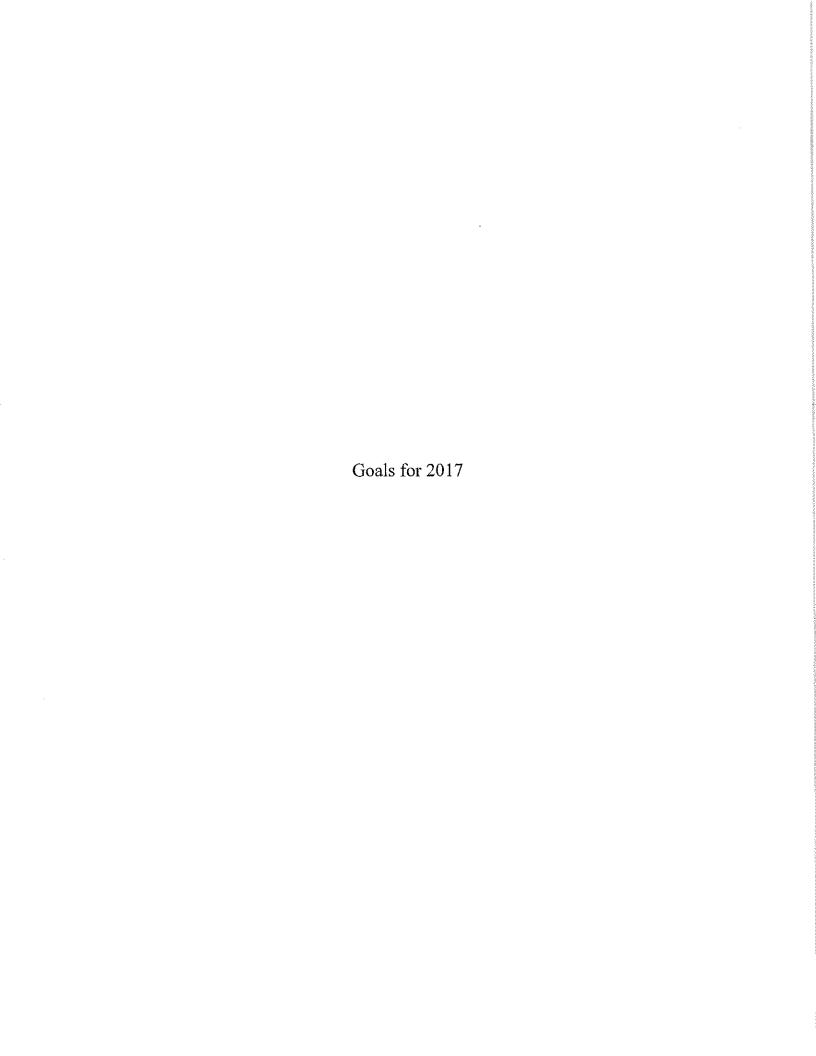
Installed internet backup systems at key locations using cable modems as secondary connections with integrated Watchgaurd failover connections.

Upgraded the entire Human Services IT infrastructure utilizing grant opportunities. All desktop computers, workgroup printers were replaced to current standards.

Began working with Toshiba towards goal of Managed Print Services which is expected to standardize printing and copying and result in cost savings.

Complete rebuild of IT in Human Services Agency Utilizing grant opportunity, Human Services received all new computers and printers.





Desktop Replenishment

Every year we schedule the replacement of desktop computer systems throughout the County. Based on over 400 computers this amounts to about 80 systems per year.

Most of our computer system purchasing is done through NYS pricing, competitive pricing or, other Contracts we can utilize. Whichever amounts to the best possible value. A good deal of time is invested in this process.

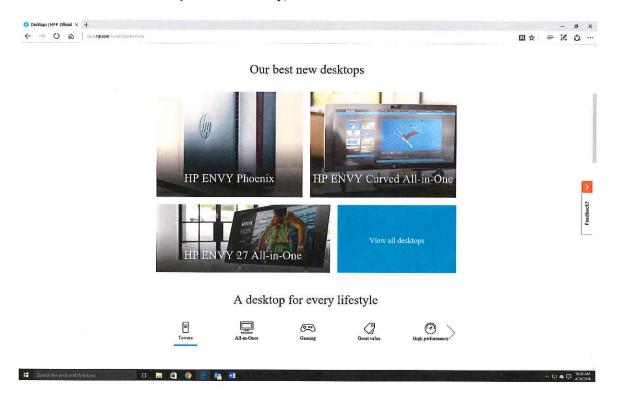
With each system we purchase the most current, proven operating system.

With each system we deploy one of three office productivity suites:

Microsoft Office – Professional Microsoft Office – Standard Apache Open Office

There are exceptions to the 5 year replacement rule. Some systems are used very heavily (24/7) and need to be replaced more often. Yet, other systems are used very little. Examples would be a Civil Service testing unit which would be used a couple of times a months this would need to be replaced less often. An Emergency Services Computer Aided Dispatch system is used 24/7 and needs to be replaced more often.

The overall purpose of this is to assure good quality working computers, reasonable replacement schedule and affordability for the County, with less downtime.

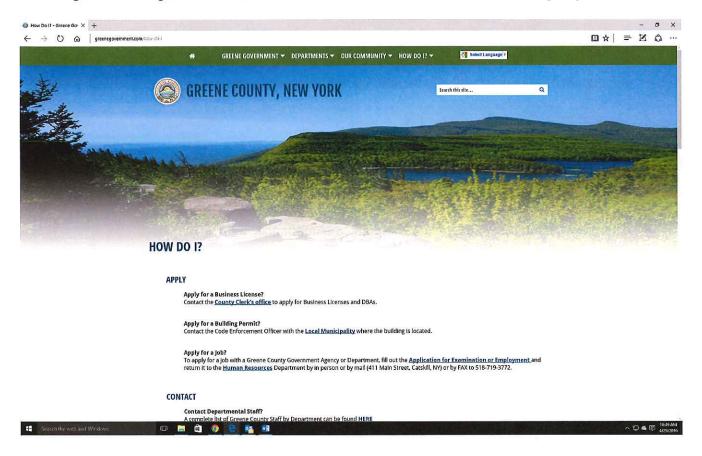


On Going Website design and updates

Greenegovernment.com website was totally redesigned in 2015.

The premise was to remove the walls between departments and make their services simpler for constituents to seek and find information and services from their County Government.

Encouragement of Department heads to understand and contribute content is an ongoing effort.



Electronic Content Management (ECM)

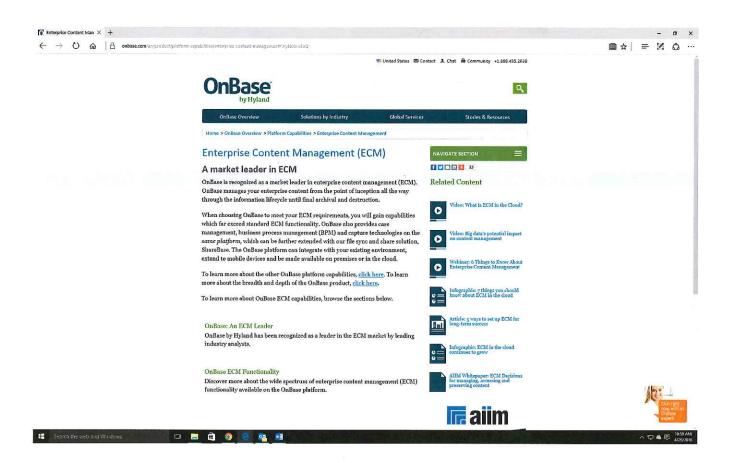
The installation and initial launch of OnBase ECM was begun in 2015.

Not only can this project address the ongoing problems associated with records management. It addresses the work flow of documents. We are looking to modernize and make more efficient the handling of documents.

In 2017 this project will launch into the Veterans Agency.

ECM Manages:

- the capture of documents in any format, including paper, email, mainframe reports and eforms
- · Content according to business rules.
- Storage, organization and tracking of documents so they are there when needed.
- Delivery of documents as soon as they're needed so processes run fast and costs are reduced.
- The preservation of documents and associated compliance.



Improve Network and workstation management with modern tools. Planning to

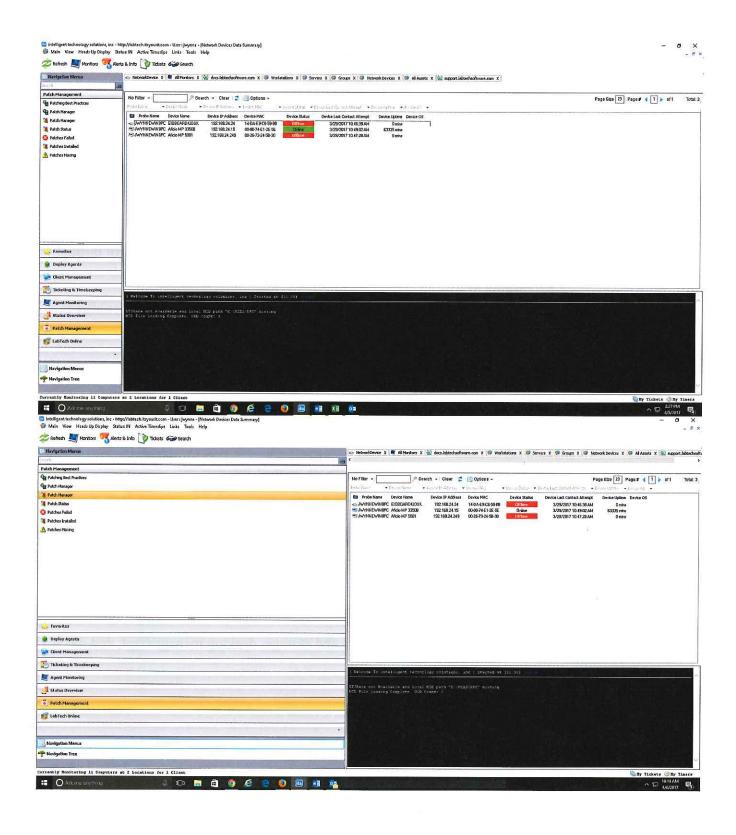
implement Connectwise Labtech RRM in 2017.

Proactively Resolve Issues & Minimize Downtime

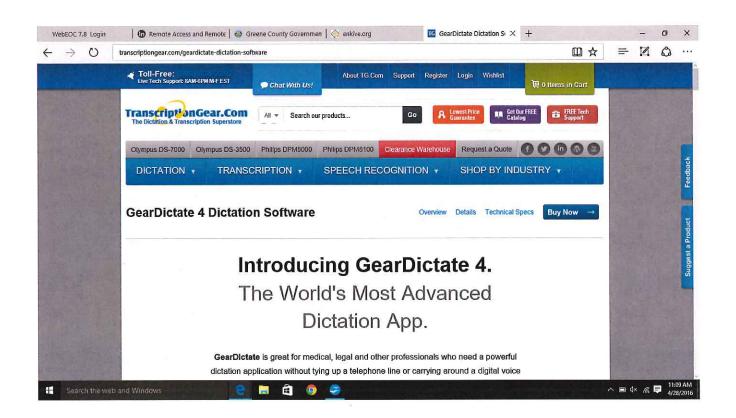
LabTech, the world-class remote monitoring and management (RMM) tool in the ConnectWise[®] Business Suite[™], offers technology solution providers fast, secure, and hassle-free remote control through seamless two-way synchronization with ScreenConnect[®].

Harness the power of automation and drive IT service excellence into your business with features and functionality, including:

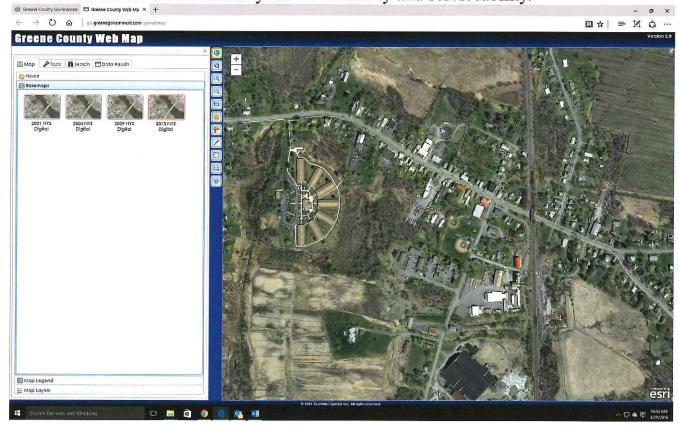
- A single automation platform to operate and run your IT services business
- Instant remote connectivity with ScreenConnect remote control integration
- Single-pane-of-glass visibility into your clients' IT systems
- Industry exclusive out-of-the-box functionality with LabTech Ignite®
- Mac and Linux agents for cross-platform support
- Mobile device management capabilities
- Integrations with industry-leading security, backup and storage, desktop management, and patch management solutions



We have moved from analog (cassette tapes) of Legislative meetings to digital with GearDictate.

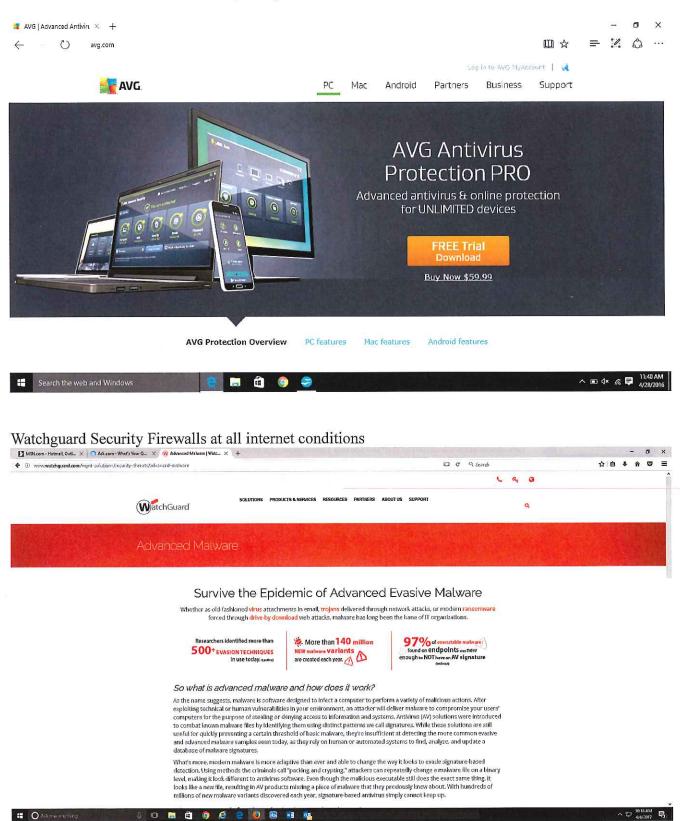


Greene County Web Map has be redesigned and resides on new VMWare server with Microsoft Server 2012 to assure years of reliability and serviceability.



Keen eye on Cyber Security, watching our perimeters

AVG Cloud Anti-Virus at all desktop computers and Servers.

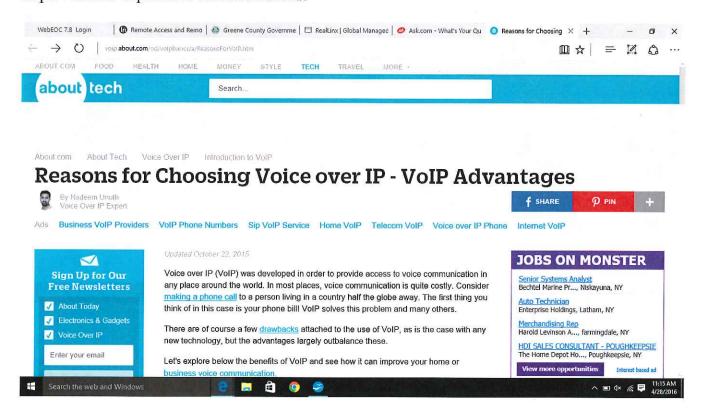


VOIP Telephone Project continues...

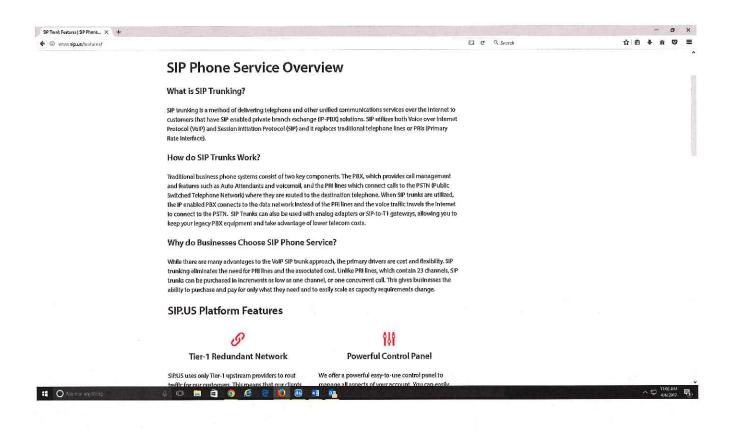
VOIP telephones offer – Reduction of costs associated with traditional telephone services.

Unified Communications Platform.

Improved inter department communications.



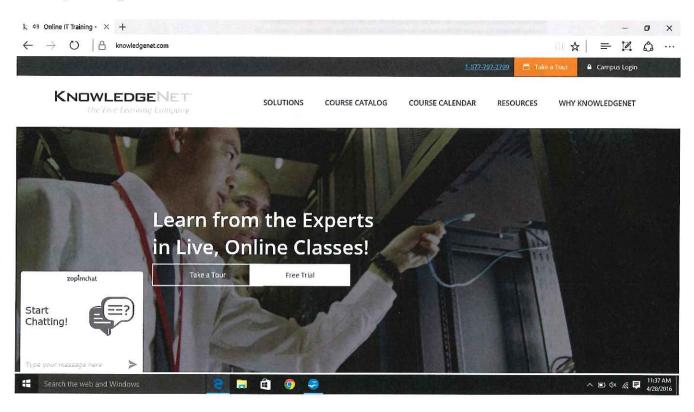
Continue migration from Conventional Phone Services to SIP Trunks



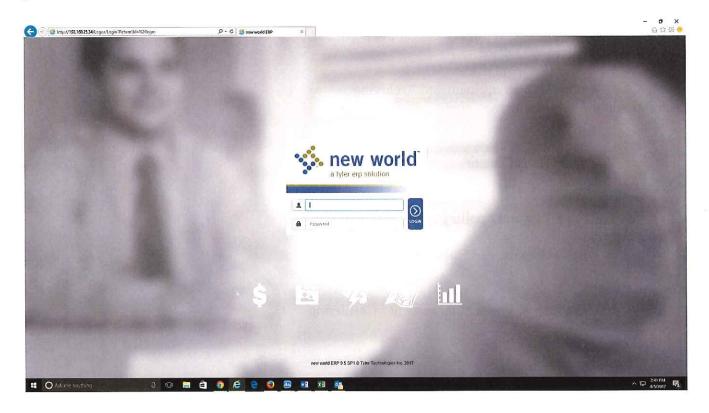
Goals for Information Technology Staff in 2017

Continue staff training.

Development a path for advancement of IT Staff.



Major upgrades to the Greene County Accounting System – Software and Hardware planned for 2017



Greene County Agencies and Key software and IT Programs

All agencies

New World Systems Financial

New World Systems HR greenegovernment.com

OnBase - Electronic Content Management

Microsoft Office Apache OpenOffice

Email - Server, Spam and Archiving

Administrator / Legislature

IQM2

MinuteTraq

Gear Tools Dictate

Board of Elections

NTS

NYS Election / polling systems

County Attorney

Lexus/Nexus

County Clerk

Property Records Management / Cashiering

District Attorney

Scheduling

Case Management

Lexus/Nexus

Emergency Services

Interact Computer Aided Dispatch

Pro Q&A
Backup Site
Weber

WebCAD GeoComm

Family Planning

VPN Access

Medent

Highway

VOIP

BOVPN

Human Services

Client Management

Mental Health

Accumed - Billing

QuicDocs - Patient Records

Motor Vehicles

Connections to NYS

Planning and Economic Development

Support for all activities

Probation

Automon Case Management

Onbase

Public Defender

NYSPDS Case Management System

Lexus/Nexus

Public Health

Medent

Legacy Billing Systems

EOI Board

KIDS

Real Property Services

GIS Website

ESRI

RPS

Records Management

Onbase ECM

Sheriff

Tracs

SJS

Black Creek

Life Scan

Civil Process

GunKeeper

Social Services

Connections to NYS Networks

Peachtree Accounting

Treasurer

New World Accounting

Systems East TCS

Weights and Measures

WeMe

Computers in Greene County Agencies

	County Owned	State Owned
Administrator / Legislature	10	
Board of Elections	9	
Board of Electrical Examiners	0	
Buildings and Grounds	6	
Civil Service	3	
County Attorney	3	
County Clerk	18	
District Attorney	19	
Emergency Services	30	
Family Planning	14	
Highway	12	
Historian	1	
Human Resources	4	
Human Services	25	
Information Technology	10	
Mental Health	60	
Motor Vehicles	2	10
Planning / Economic Development	9	
Probation	12	
Public Defender	12	
Public Health	31	
Real Property Tax Services	5	
Records	2	
Sheriff	18	
DSS	34	85
Solid Waste	1	
Stop DWI	1	
Tourism	4	
Veterans	3	
Weights and Measure	1	
Totals	359	95

