



# **Information Technology Update to Whatcom County Council**

by Perry Rice – IT Manager  
**June 18<sup>th</sup>, 2019**

# Overview

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- **1<sup>st</sup> of 2 IT Updates to County Council in 2019**
  - ➔ June
  - ☐ October
- **Cyber Security – “Generalized Update”**
- **2019/2020 Biennium – Large Project Update**
- **Questions**

# Cyber Security – “Generalized” Update

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- **Cyber Security**

Multi-Year

- **Significant Focus on Advancing Our Cyber Security Over the Past 6-Months**

- **Department of Homeland Security (DHS): Cyber Security Services**

- DHS Offers Complimentary Services to Assist State, Local and Tribal Government
- Regular Scanning and Reporting on Internet-Facing Devices Started in **January**

- **New Protection for E-Mail System**

- E-Mail is the #1 Vector for the Delivery of Malware
- Added New Advanced Threat Protection Module to E-Mail System in **April**
- System Scans E-Mail Attachments – Less Malspam Getting Delivered to Users

- **New Vulnerability Scanning**

- Acquired New Software to Scan Devices on Our Internal Network for Vulnerabilities
- Internal Vulnerability Scanning Pilot Started in **April**

- **New Anti-Virus Desktop Software**

- Deploying New More Robust Anti-Virus Software in **April - July**

# 2019/2020 – Countywide Large Projects

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- **Lifecycle Replacement of Computers** Multi-Year  
**[ACTIVE]**
  - Replacing 1,100 Computers over 4-Years (2017 – 2020)
  - Replaced 416 in 2017, 2018, 2019 to Date
  - ~\$2 Million
- **Microsoft Active Directory Server Upgrade** 02/28/2019  
**[DONE]**
  - Manage User ID's, Passwords, File Shares, etc.
  - ~\$30k
- **Microsoft “Push” Software Server Upgrade** 05/08/2019  
**[DONE]**
  - Upgrade Microsoft System Center Configuration Manager
  - Pushes Software to Workstations & Manages New Antivirus Software
  - Provides “In Place” Operating System Upgrade Functionality
  - ~\$40k
- **Upgrade to Microsoft Windows 10 / Office 2019** Multi-Year  
**[ACTIVE]**
  - Test and Configure
  - Production Deployments Starting June 2019

# 2019/2020 – Countywide Large Projects (Continued)

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- **iSeries Mid-Range Server Replacement** 06/10/2019  
– Replace End-of-Life Server [DONE]  
– Runs Finance\HR System, Prosecutor & Public Defender Case Mgmt. Systems  
– \$225k
- **Telecommunications Platform Upgrade** 4Q2019  
– MiTel Aquired ShoreTel in 2017 [PLANNING]  
– Migrate ShoreTel System to MiTel Platform  
– \$30k
- **Enterprise Backup to Disk System Replacement** 4Q2020  
– Replace Current Backup to Disk System  
– Essential for Data Protection \ Cyber Security Recovery  
– \$160k
- **Public Website Update** 2020  
– CivicPlus Platform Upgrade [PLANNING]  
– CivicPlus Redesign

# 2019/2020 – Criminal Justice Large Projects

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- **Replace Court Audio Visual Systems** 3Q2019  
**[ACTIVE]**
  - Upgrade JAVS Systems in Superior Court (SC) & District Court (DC)
  - Include Video Conferencing to Remote Jails During Main Jail Repairs
  - DC#3 [DONE – 2/2019]
  - DC#1, DC#2, SC#5A [Installs Scheduled – 7/2019]
  - Main Jail Courtroom [Contracting In Progress]
  - SC#4 [Planning]
  - ~\$250k
- **Replace Juvenile Case Management System** 2019/2020  
**[PLANNING]**
  - Replace Current “End-of-Life” System
  - Working with State on Approval to Implement Odyssey Supervision Module
- **Replace Prosecutor Case Management System** 2019/2020  
**[PLANNING]**
  - Replace Current “End-of-Life” System
- **Replace Public Defender Case Management System** 2019/2020  
**[PLANNING]**
  - Replace Current “End-of-Life” System

# 2019/2020 – Criminal Justice Large Projects (Continued)

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- **Sheriff's Office Mobile Data Computer Replacement** 2019/2020  
[PLANNING]
  - Lifecycle Replacement of 85 End-of-Life Panasonic Toughbooks
  - ~\$400k
- **Sheriff's Office Records Management System Updates** 2019  
[ACTIVE]
  - Spillman Update to Version 2019.1 [Done – 5/2019]
  - Spillman New Modules: Inmate Discipline & Mobile Forms
- **Sheriff's Office Online Crime Reporting** 4Q2019
  - Replace "Custom" Software with Commercial Off-the-Shelf Software
- **Sheriff's Office Citizen Crime Statistics** 4Q2019
  - Online Crime Statics and Mapping
- **New Electronic Health Records System for Corrections** 2019/2020
- **Sheriff's Office Body Worn Cameras** 2020

# 2019/2020 – Land & Infrastructure Large Projects

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- **Land Records Geographic Information Systems (GIS)** August 2019  
– Assessor’s Office to Use GIS as Official Tax Map **[ACTIVE]**  
– Contract with Bruce Harris & Associates for Data Conversion [Done 5/2019]  
– Working on GIS Parcel Data Maintenance Workflows & Publishing  
– Requirement for New Permit System & Web GIS  
– \$795k
- **GIS Addressing** August 2019  
– Place Address Point on Primary Structure on Map **[ACTIVE]**  
– Partnership with County Fire Districts, Municipalities, and WHAT-COMM 911  
– Properties with Single Address Points (87,496) [Done 6/2019]  
– Properties (Unincorporated) Containing Multiple Address Points (~9,000) In Progress  
– Requirement for New Permit System & New Voter Registration System
- **Update of Countywide Aerial Imagery** August 2019  
– Contract with Pictometry to Acquire Imagery Signed 11/2018 **[ACTIVE]**  
– 15 Regional Partners (Cities, Tribes, PUD, Port, COG, etc.)  
– Acquisition Complete & Processing In Progress  
– \$164k



# 2019/2020 – Land & Infrastructure Large Projects (Continued)

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- **New Permit System**

1Q2020

**[ACTIVE]**

- Replace Current “End-of-Life” System
- Contract with Tyler EnerGov Signed 11/2017
- Phase 1: Initiate & Plan - Done 2018
- Phase 2: Assess & Define - Done 6/2019
  - Document~ 100 Permit Workflows
  - System Deployment (7 Servers)
  - Data Conversion Planning
  - Integration Planning
- Phase 3: Build & Validate - In Progress - October 2019
  - System Configuration
  - Data Conversion from TideMark, Health Envision Connect and Health WHAMO
  - Power User Training
- Phase 4: Verification & System Acceptance
- Phase 5: End User Training
- Phase 6: Production Cut Over
- Phase 7: Project Closure
- \$1.6 Million Overall Budget

# 2019/2020 – General Government Large Projects

- **Countywide Agenda Management** 2019  
– Core System Go Live – Done – 1/2019 [ACTIVE]  
– System Refinement – In Progress  
– Data Migration of Historic Agenda Bills  
– \$72k
- **New Statewide Voter Registration System** 2Q2019  
– Auditor’s Office Actively Testing System [ACTIVE]
- **Tenant Improvements – Computer & Network Support** 2019  
– Emergency Medical Services – East Chestnut Building – Done 1Q2019 [ACTIVE]  
– Facilities Management – Williamson Way Building – Done 2Q2019  
– New Election Center – Courthouse – Almost Done  
– New Law Library – Courthouse – Almost Done
- **Emergency Medical Services Electronic Patient Care Reporting** 2019  
– Contract with ImageTrend Signed 2/20/2018 [ACTIVE]  
– System Go Live Almost Complete  
– \$143k
- **New Enterprise Resource Planning (ERP) System** Multi-Year  
– Replace or Upgrade JD Edwards Finance \ HR System [ACTIVE]  
– \$1.75 Million Project Budget Established 11/2018

# Questions

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