



PALMDALE WATER DISTRICT
A CENTURY OF SERVICE

Information Technology (IT)

Board Presentation

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IT Manager

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IT Mission Statement

The Palmdale Water District Information Technology (IT) Department provides IT and SCADA support for the District's computer network, including the operation, maintenance, upgrade, and repair of network hardware, District employee workstations, and mobile devices.



Responsibilities

- The primary responsibility of the IT Department is providing a safe and secure networking environment.
- Additional responsibilities include the day-to-day operation of the network and SCADA datacenters and servers, on premise and remote cloud networks, access control and camera systems, District phone system, office machines, mobile devices and software applications.



Resources

- 2 Storage Area Networks
- 3 Virtual Host Servers
- 17 Virtual Servers
- 10 Physical Servers
- 100 Desktops
- 80 Mobile Devices
- 30 Wireless Access Points
- 30 Infrastructure Devices



SCADA

- Supervisory Control and Data Acquisition (SCADA) is a control system architecture comprising computers, networked data communications and graphical user interfaces for high-level supervision of machines and processes. It also covers sensors and other devices, such as programmable logic controllers, which interface with process plant or machinery.

SCADA Resources



- 50 Sites
- 52 Mesh Radios
- 60 PLCs
- 3 Servers
- 16 Client PCs
- 10 OITS



Staff

- IT Manager – Jim Stanton, over 40 years in the IT field
- IT Specialist – Bennett Yates, over 10 years in the IT field
- GIS Coordinator – Richard Heinonen, over 15 years in the Geographic Information System (GIS) field
- Electronic Technicians – Erik Bouthillier, over 27 years, and Sal Zuniga, over 15 years in the SCADA field



Challenges

- Protecting the District data network from spyware/malware/viruses
- Meeting future, unknown, regulatory requirements
- IT is always changing – keeping skills current and relevant are always a challenge.
- Future-proofing District IT acquisitions
- Budget constraints



Questions?



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Thank you!

