

CRITICAL INFORMATICS

IT Security in Local Government

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Key Takeaways

- Government is a target
- Local government is least-protected
- Possible impacts include records breach, theft of funds, and disruption of critical services
- Reasons for lack of attention to the issue

Bad Outcomes – Quick Inventory

- Loss of protected records
- Electronic theft (funds, or intellectual property, for the private sector)
- Service infrastructure disruption
- BONUS PAIN: regulatory scrutiny, fines, bond rating



Recent Public Sector Events

Montgomery County Public Schools Says It Was Target of Cyberattack

Electronic disruption lasted three days, district spokesman says

Man Behind 911 Call System 2016 Cyberattack Sentenced to Probation

Meetkumar Desai pleaded guilty in August to felony count of solicitation to commit computer tampering

Cyber-criminals attack Atlanta, Fulton, and Clayton school districts, paychecks stolen

Posted: Oct 03, 2017 9:54 PM PST

Updated: Oct 04, 2017 8:04 PM PST

October 05, 2017

City of Englewood, Colo. hit with ransomware

The attack left the city's civic center unable to process credit cards and the city's library unable to place items on hold or accept late fines, according to an Oct. 4 [press](#) release.



Government

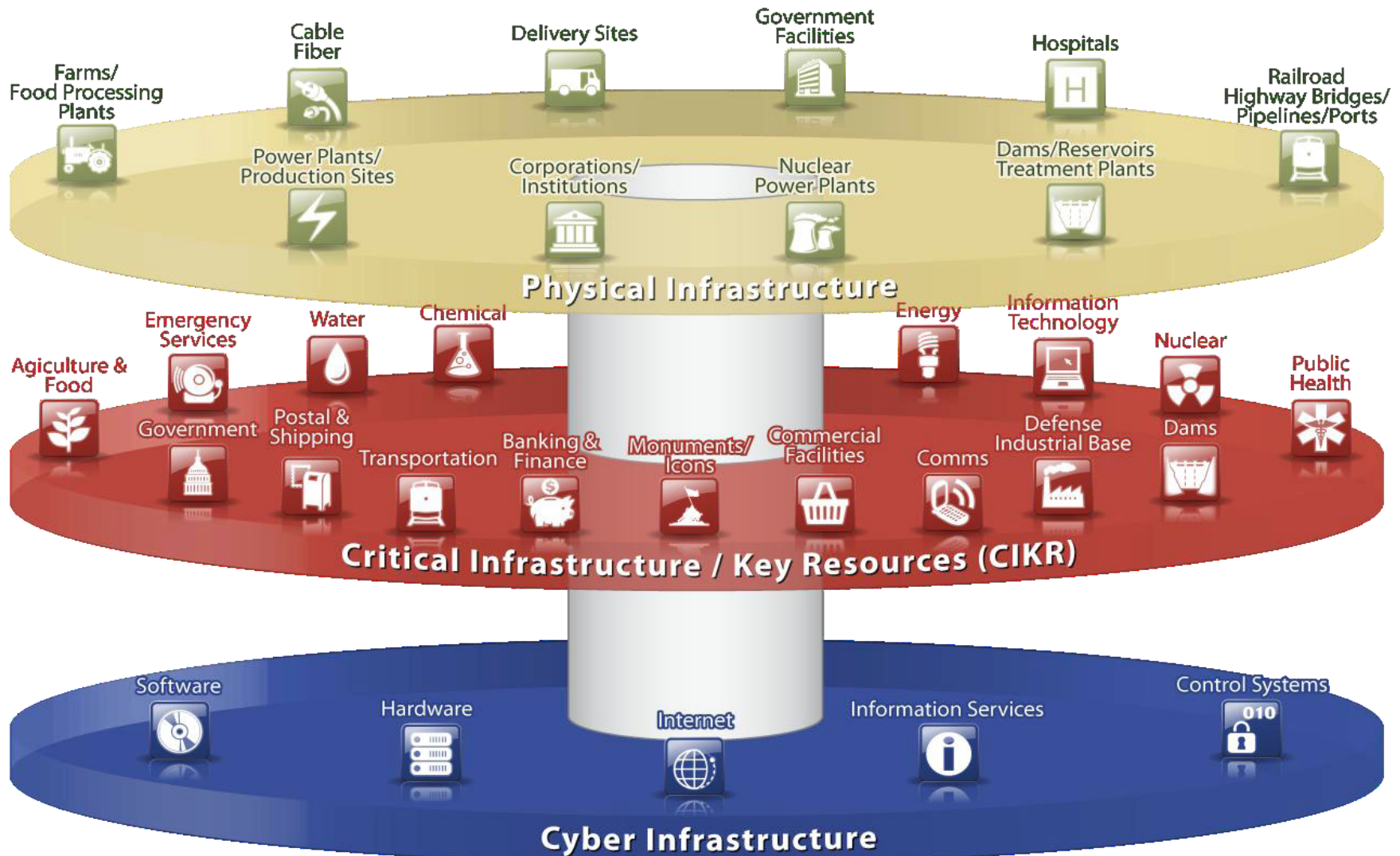
Top 3 Future Cyber Threats For State and Local Governments



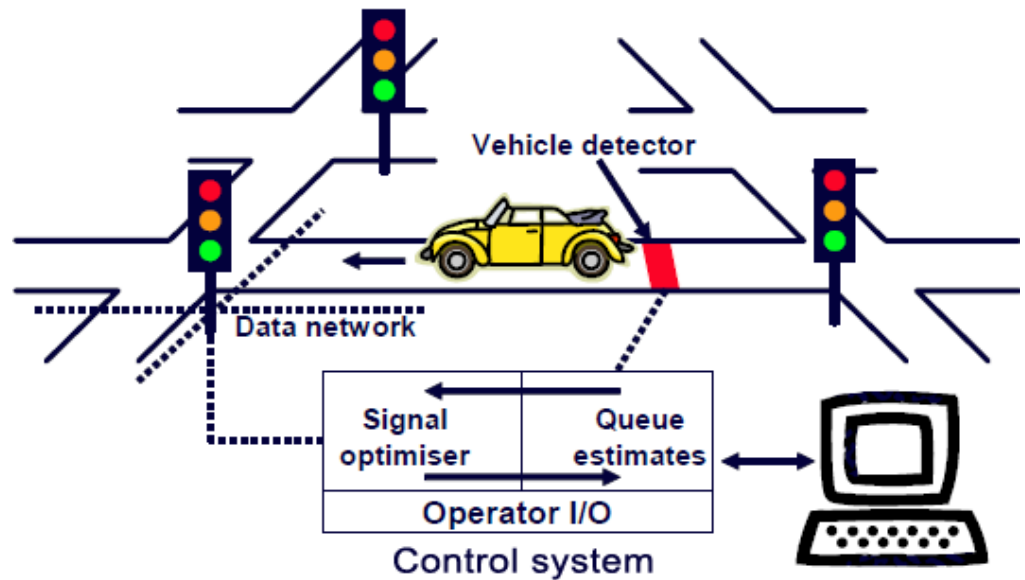
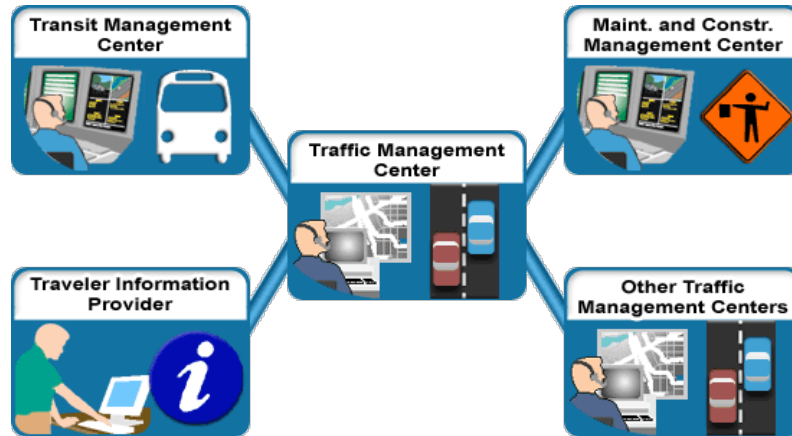
[Kenn Dodson](#) - October 11, 2017 - 3 Comments

Law Enforcement evidence held for ransom, utilities taken offline and transportation derailed. All have happened in the last 12 months. Sometimes it feels like TV supervillains from our childhood have come to life; CHAOS, Cobra and, worst of all, the dreaded Legion of Doom. But in a world of international terror organizations and state-run subversive groups, such supervillains would likely do less damage.

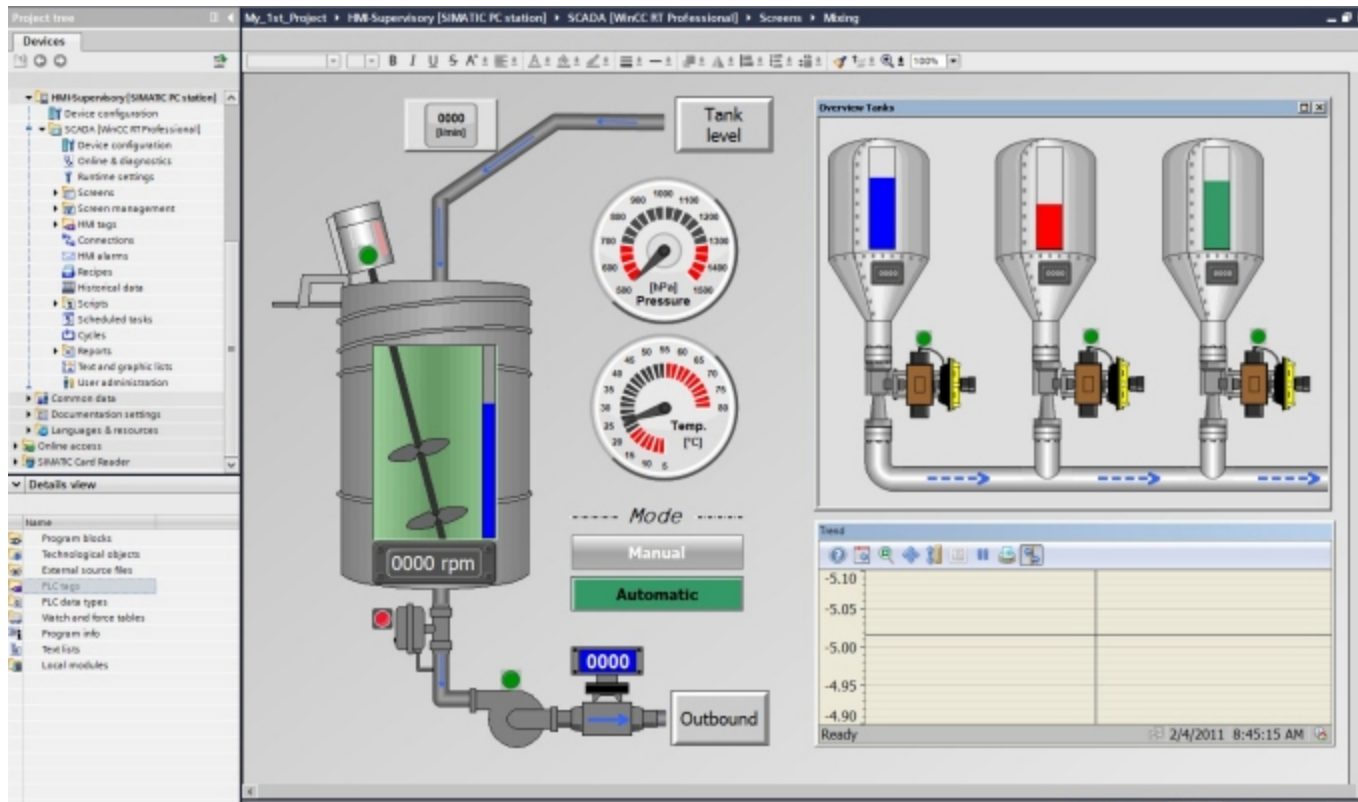
Critical Infrastructure



Traffic Management

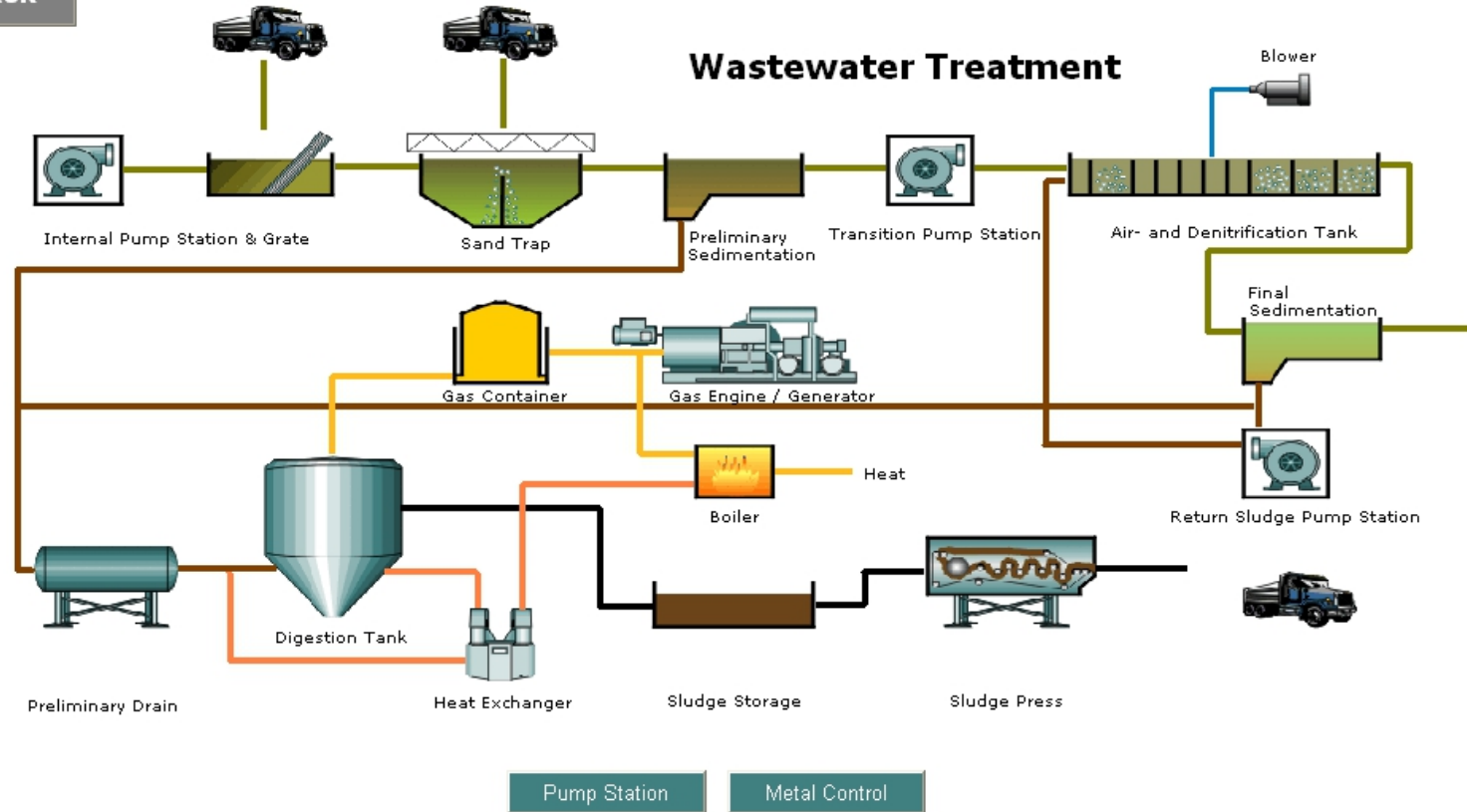


Water Purification

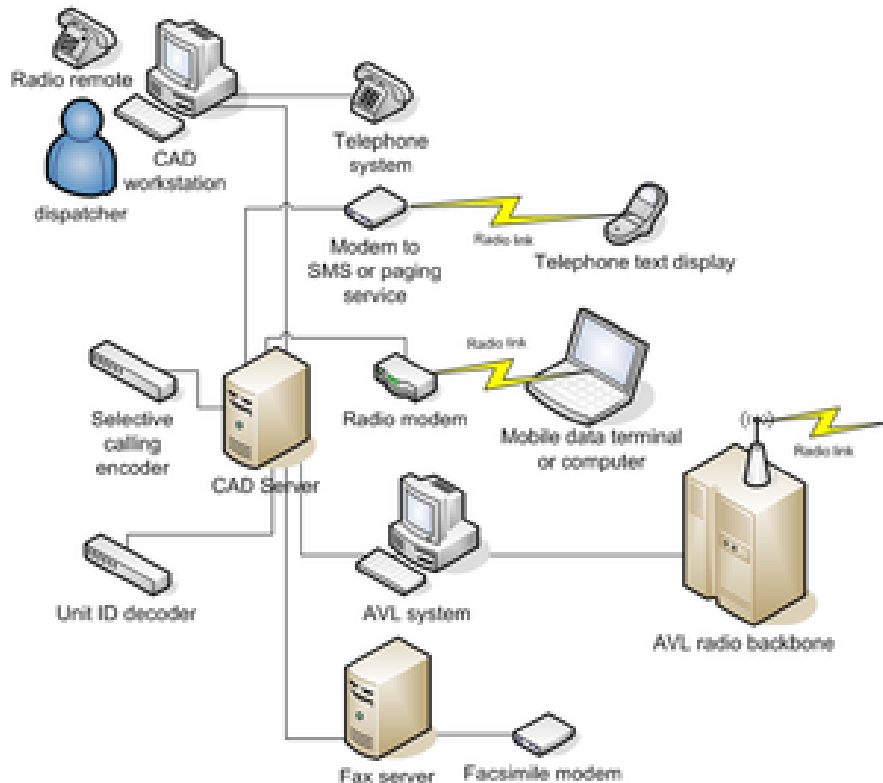


Waste Treatment

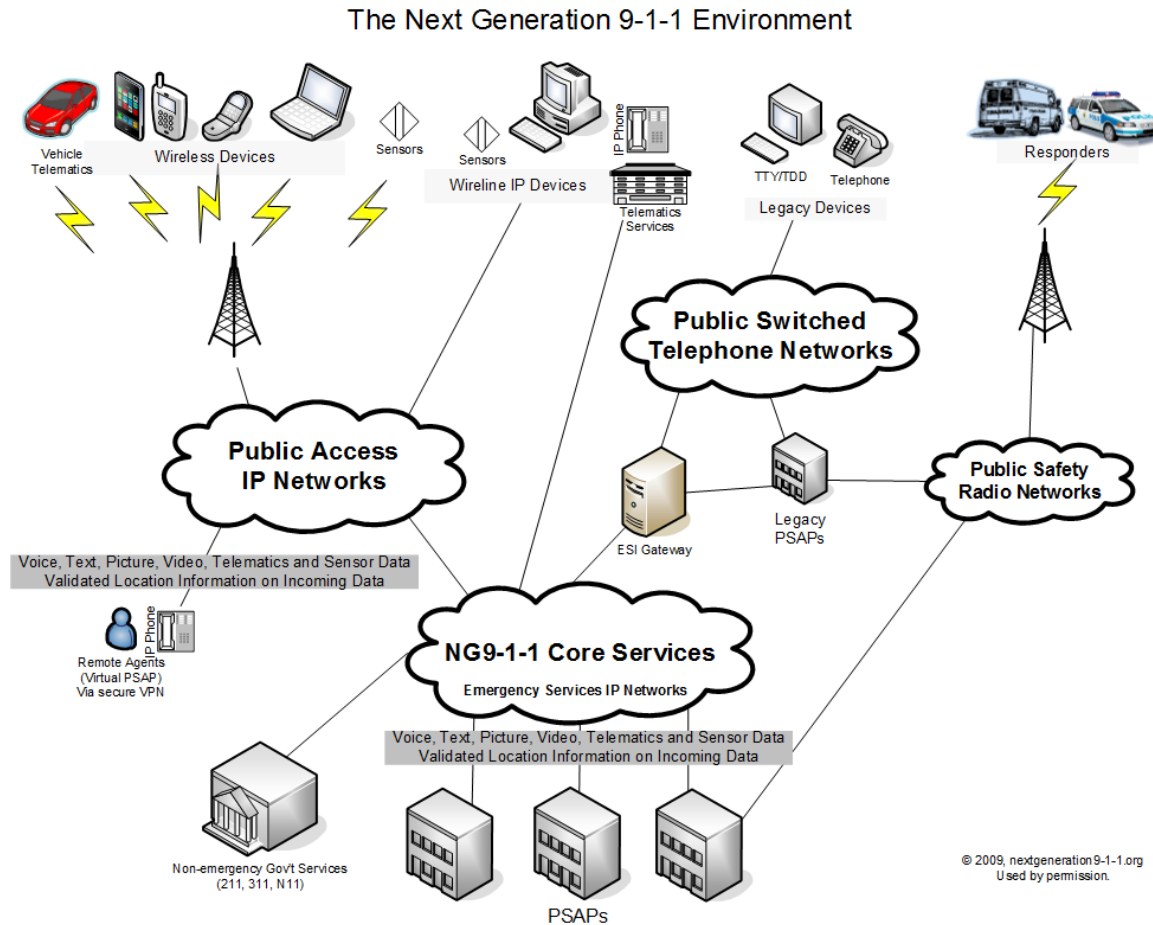
Back



Communication for Law Enforcement and Public Safety



Next-Generation 9-1-1



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Emergency Management



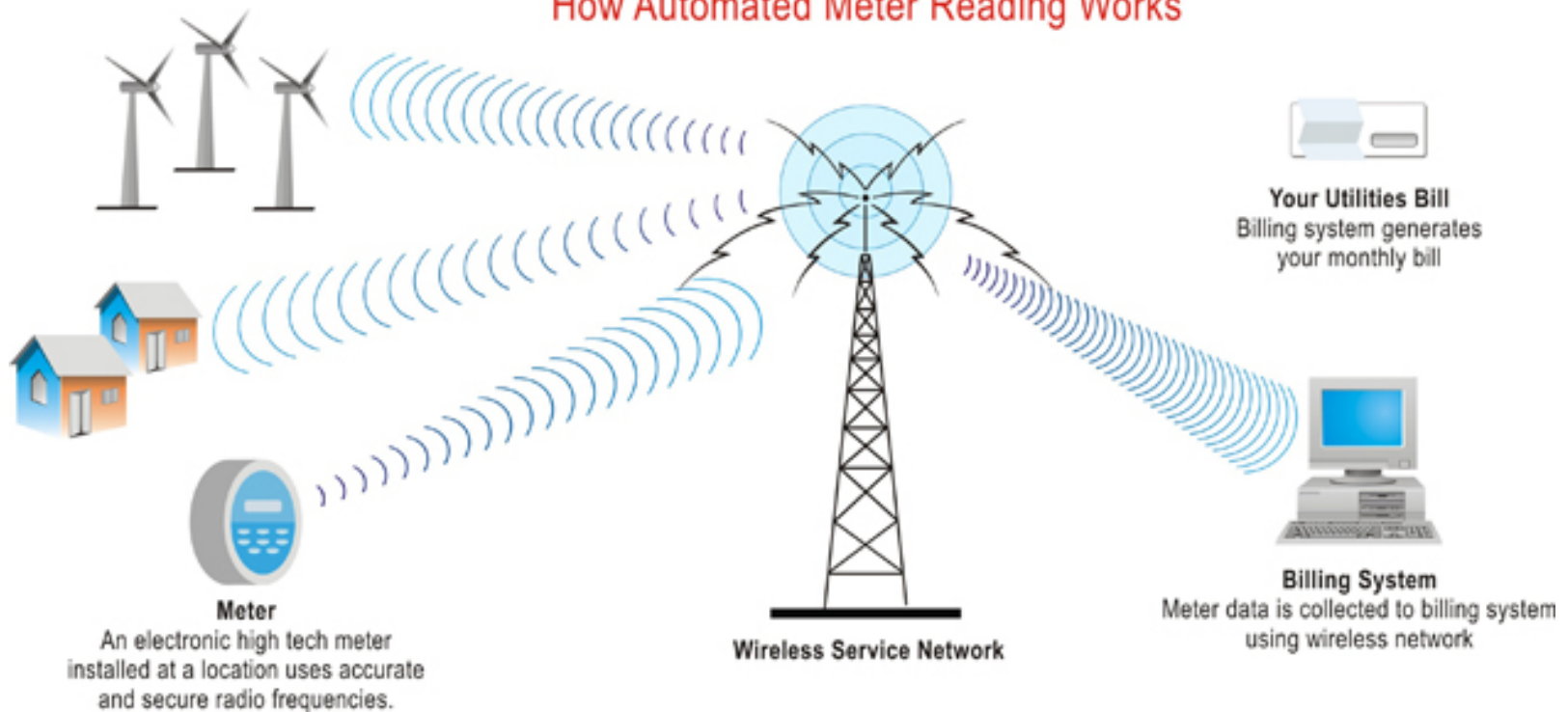


Energy Generation, Distribution



Automated Metering

How Automated Meter Reading Works



HVAC systems compromised

Power Marketers targeted

Deeply compromised energy utility infrastructure

Denial of service attacks

Vulnerable transportation management

Telephony equipment compromised

CoS Incidents

What Got Us Here?

- Management by Landmine
- Thin budgets and poor value proposition
- No access to qualified practitioners
- Technology moves faster than policy
- But more than anything – MISPLACED FOCUS



Can We Dig Out With Legislation?

Amid growing threats, Iowa lawmakers push for better state and local cybersecurity

William Petroski, bpetrosk@dmreg.com

Published 11:37 a.m. CT Nov. 9, 2017 | Updated 11:59 a.m. CT Nov. 9, 2017

Lawmakers unveil bill to help state, local governments with cybersecurity

BY MORGAN CHALFANT - 03/02/17 01:40 PM EST

 7 COMMENTS

Bill would launch cybersecurity grant program for state and local governments

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Thanks for Listening!

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<https://criticalinformatics.com/it-security-news/>