

# 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**

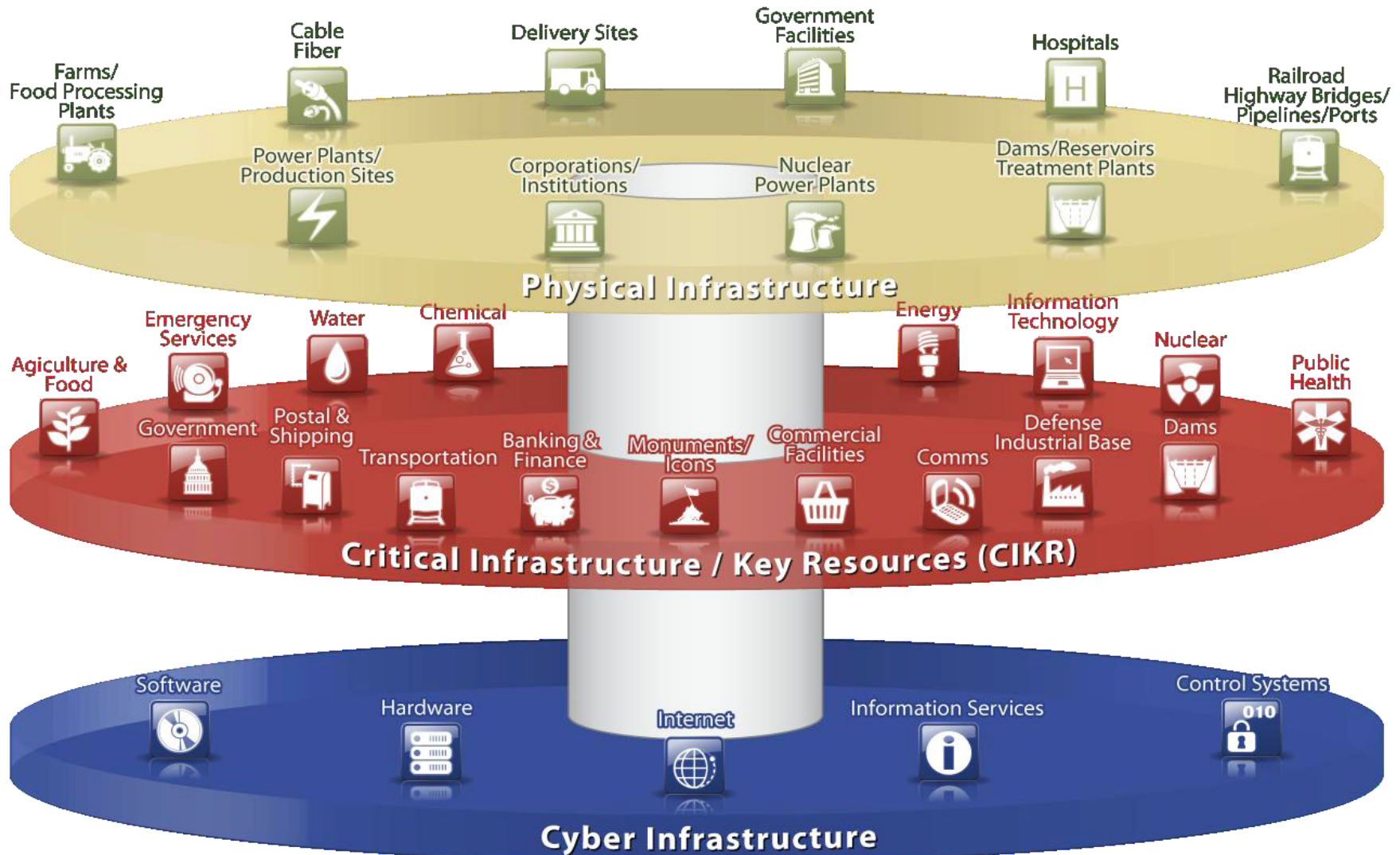
## Top 3 Future Cyber Threats For State and Local Governments



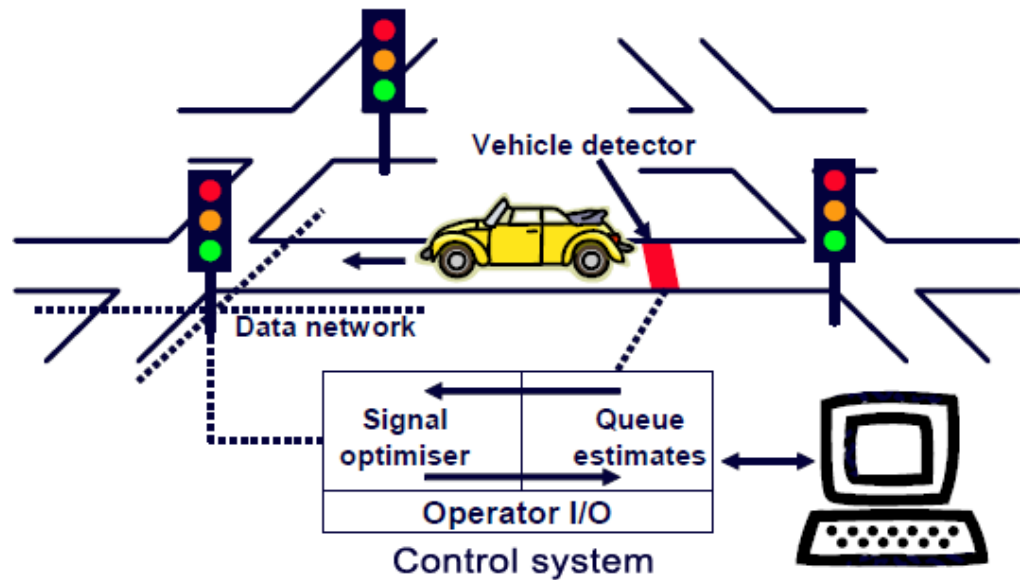
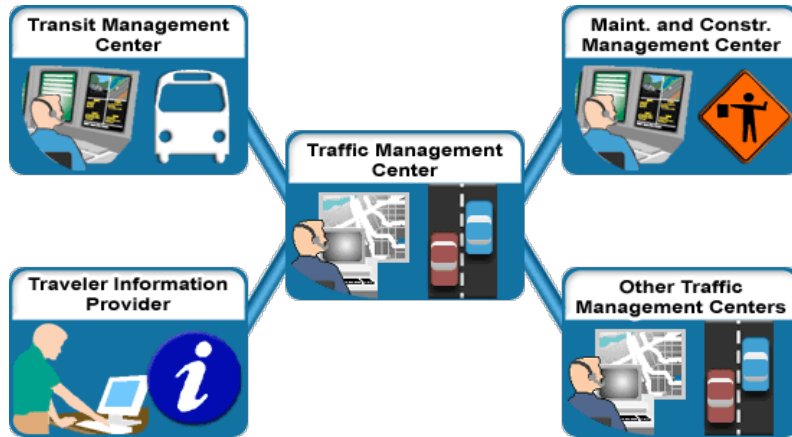
[Kenn Dodson](#) - October 11, 2017 - 3 Comments

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.

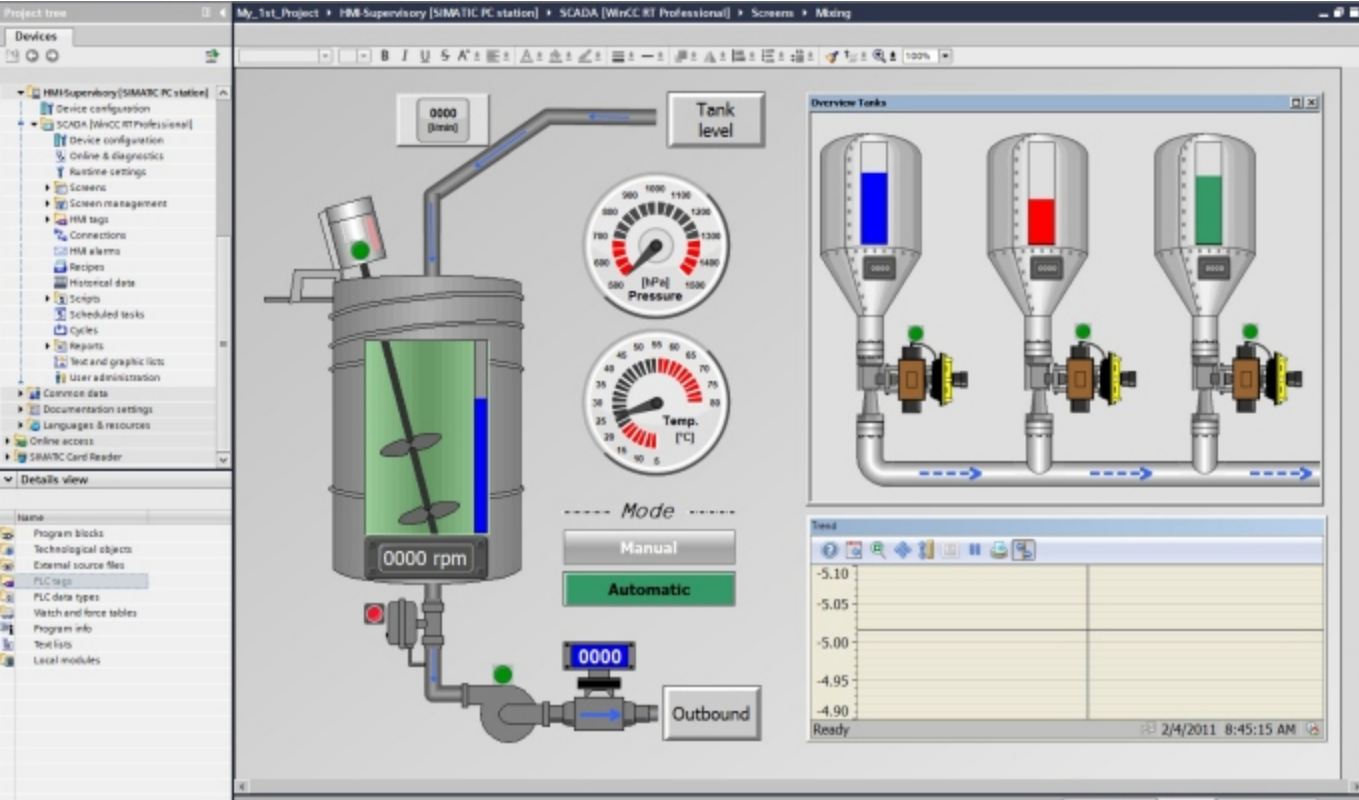
# Critical Infrastructure



# Traffic Management



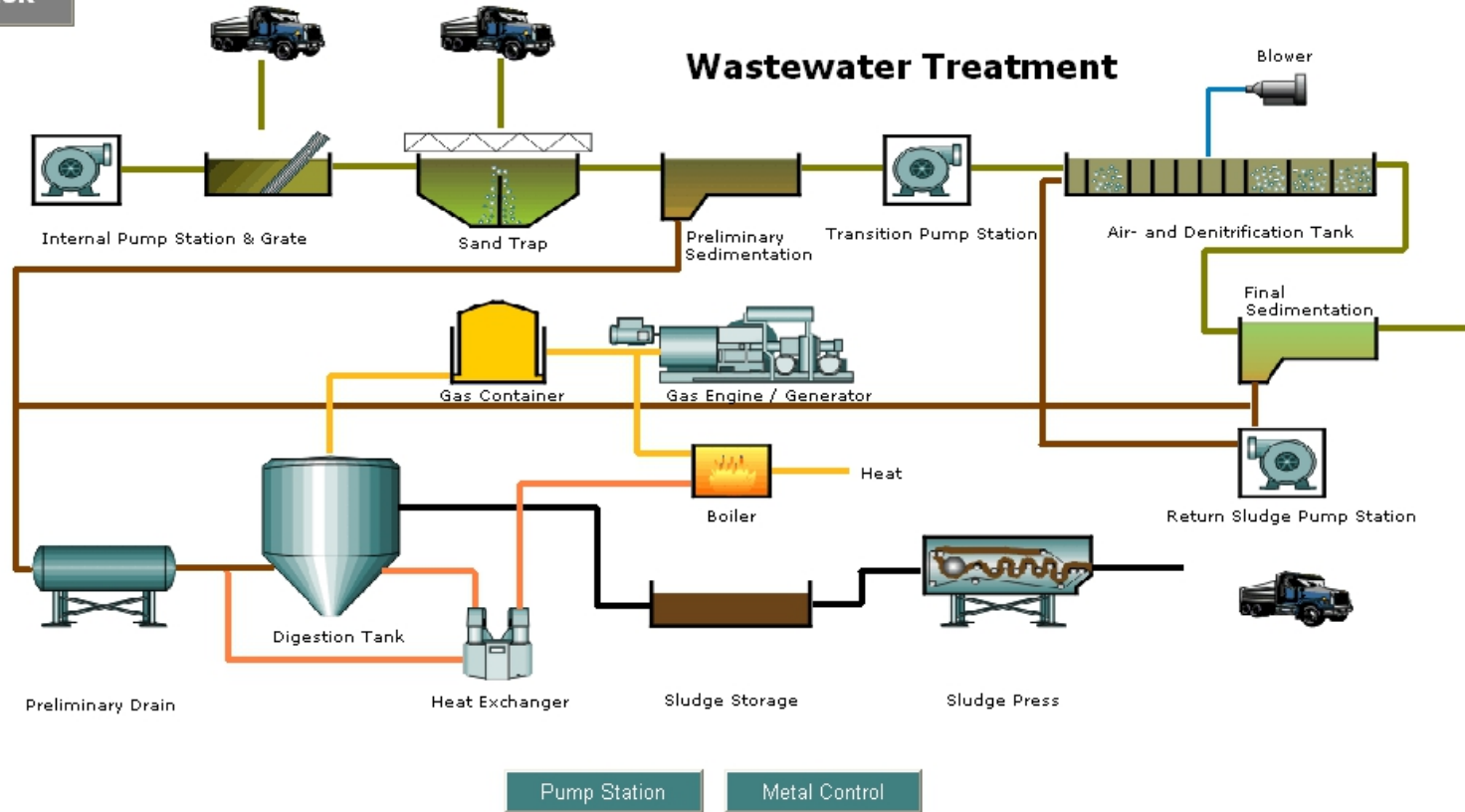
# Water Purification



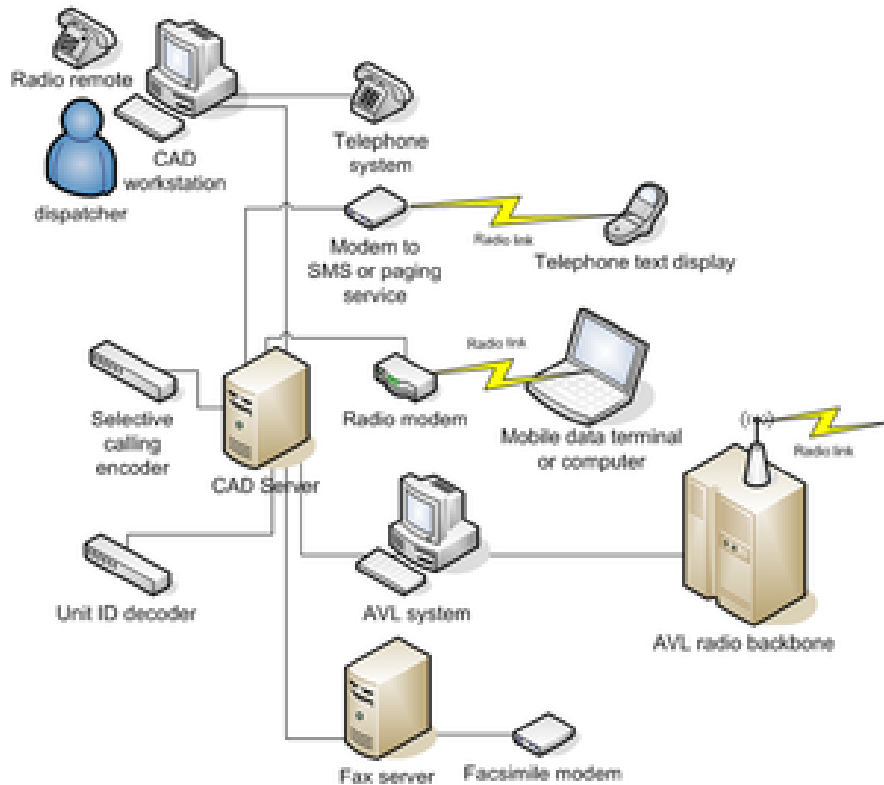


# Waste Treatment

Back

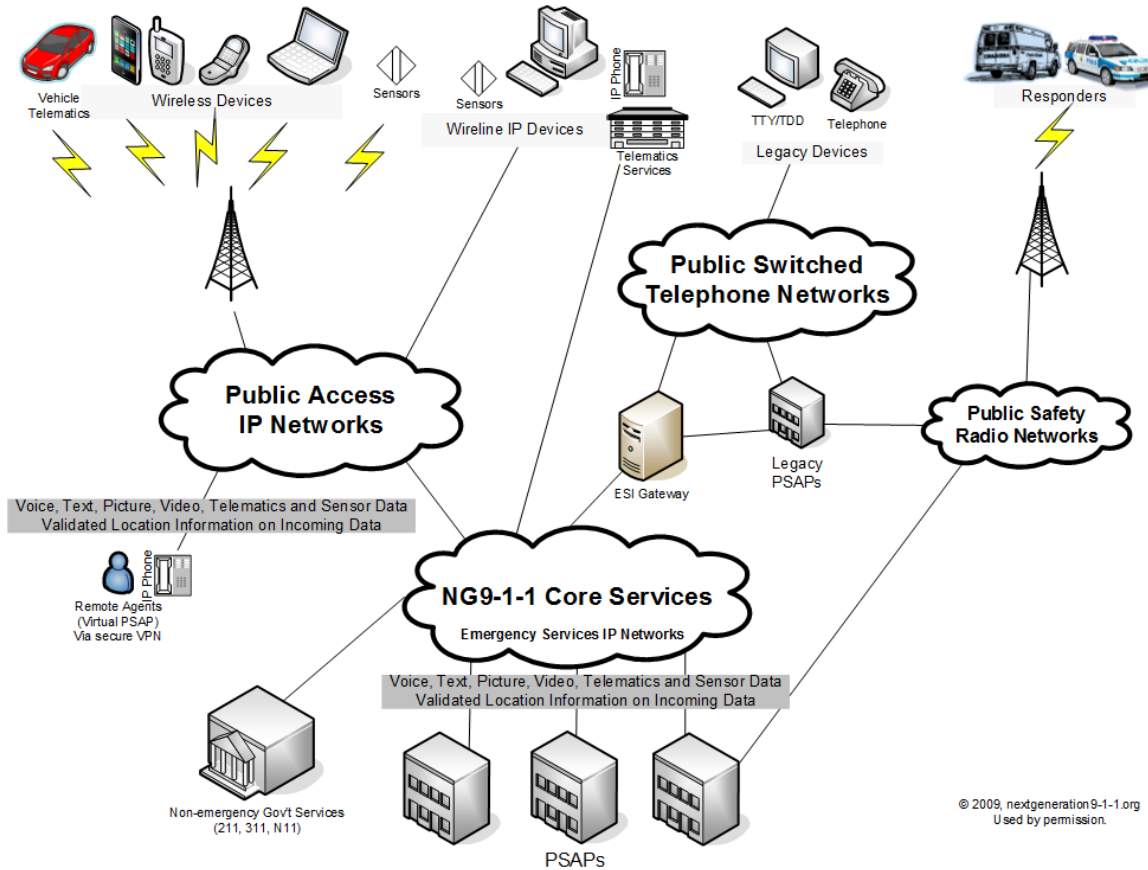


# Communication for Law Enforcement and Public Safety



# Next-Generation 9-1-1

The Next Generation 9-1-1 Environment



# Emergency Management



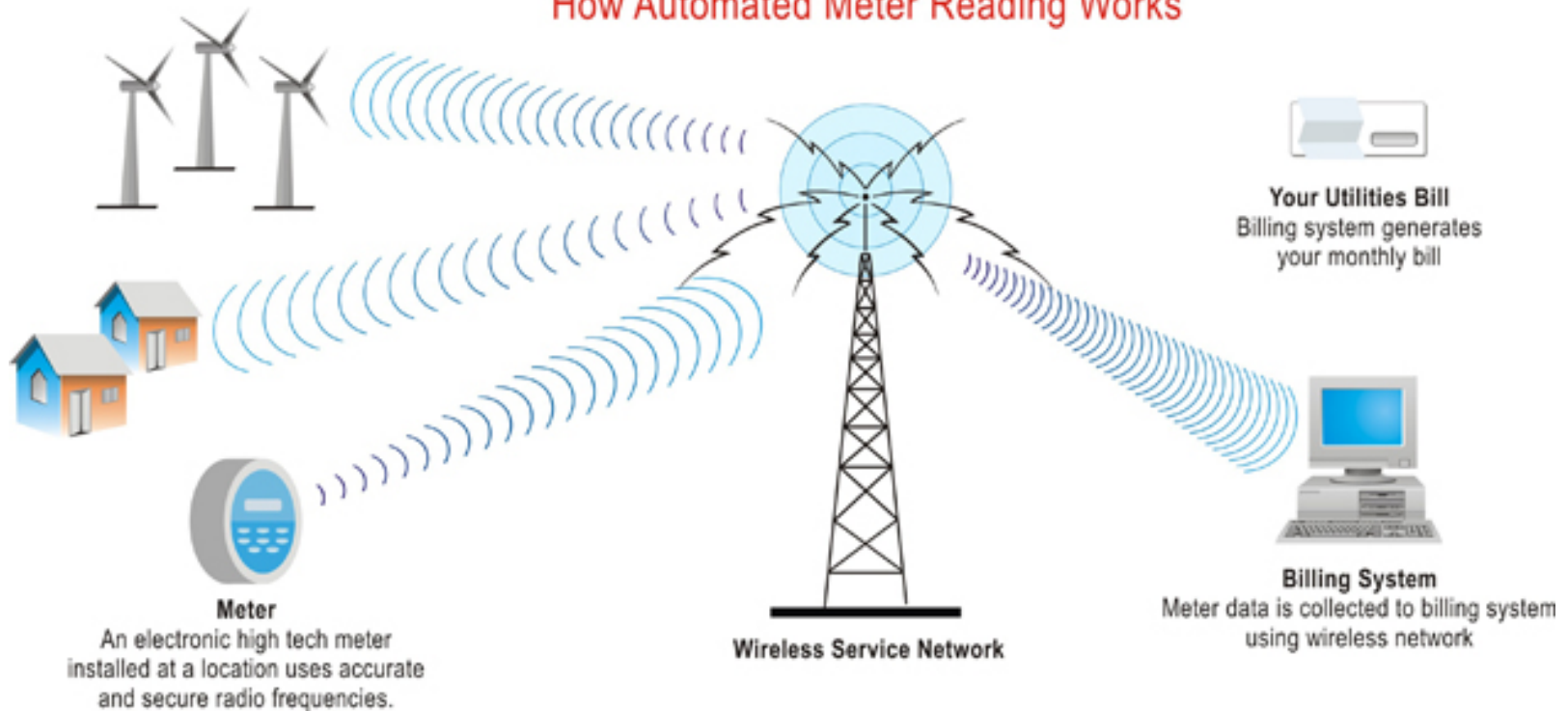


# Energy Generation, Distribution



# Automated Metering

## How Automated Meter Reading Works



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HVAC systems compromised

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Power Marketers targeted

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Deeply compromised energy utility infrastructure

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Denial of service attacks

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Vulnerable transportation management

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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](mailto: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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IT Security News Blast:

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