WHAT GOVERNMENT LEADERS THINK ABOUT: **TECHNOLOGY** • Why am I constantly being asked to spend Marc Pfeiffer more money on IT? **LEADERSHIP** Assistant Director • Is our system secure from hacking? **Bloustein Local** BASICS • Who would try to hack us anyway? We are a Government small government. **Research Center** How can I be expected to make decisions on for **Rutgers University** complicated technology? Government Policy Makers • How should we be managing our Facebook account? and Managers • Why don't my IT guys take care of the risks?" • How can technology screw up my re-election?

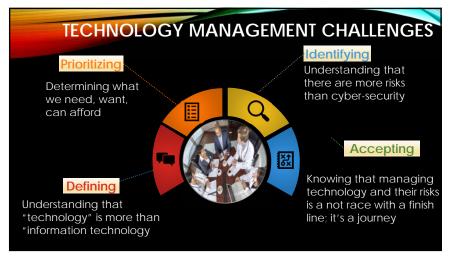
2

4

1



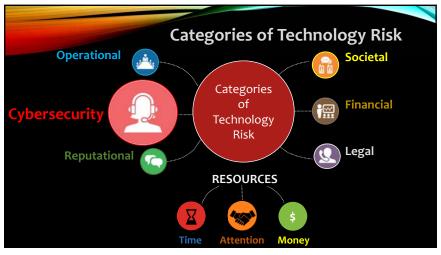


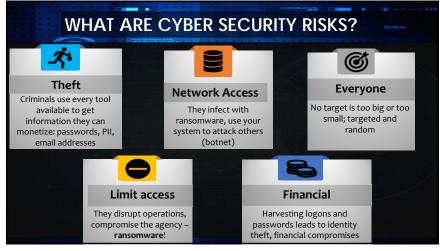




5

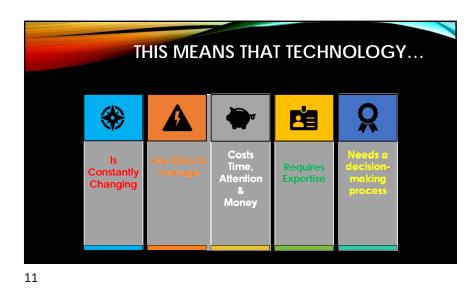








9





12

BY BECOMING A TECHNOLOGICALLY PROFICIENT ORGANIZATION

Which is an organization that:

13

- ... Understands its technology needs
- ...Is assured that the technology will work when it needs to, including routine and emergency situations
- ...is protected against tech-generated risks, including protecting and responding to cyber threats

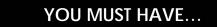
MINIMUM TECHNOLOGY STANDARDS FOR TECHNOLOGICAL PROFICIENCY

Do you meet them? If not, start moving!



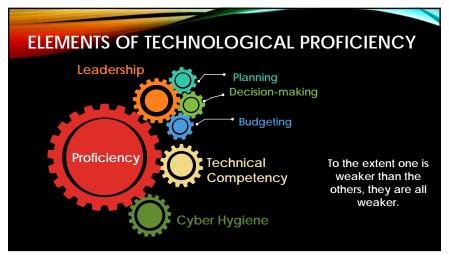
14





- System and data backups and assurance that they will work when you need them to; and,
- Someone you trust to give you advice on your technology.
- If you don't have both of these, you need to fix that first.
- Then you can start meeting (and exceeding) the minimum standards.

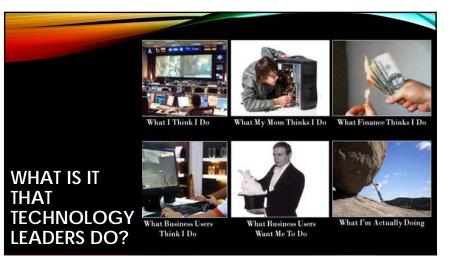




18







REGARDLESS OF PROFILE, THERE ARE BASIC THINGS THAT NEED TO BE DONE

- Provide technology guidance concerning needs and risks to the organization (aka, planning).
- Plan, implement and manage applications to serve the organization's needs.
- Supervise information systems and communications network.
- Manage technology resources: human, physical, and fiscal
- Meet user support/training needs
- And more, depending your profile

21





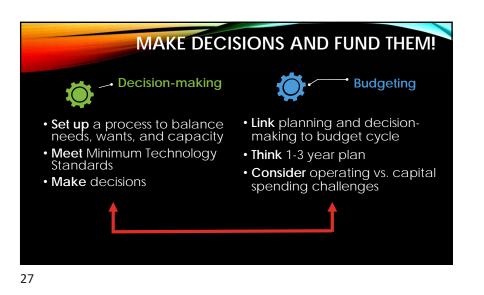
22

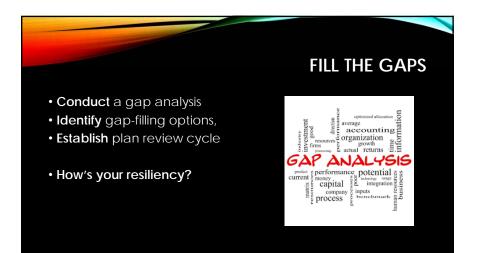


- Tech plans need an...
- Inventory: Know what you do and have
- Evaluation: apply what you learn to identify needs
 - Meet internal needs and those driven by citizens
- Risk Assessment: Are there poorly managed or unmitigated risks to manage?









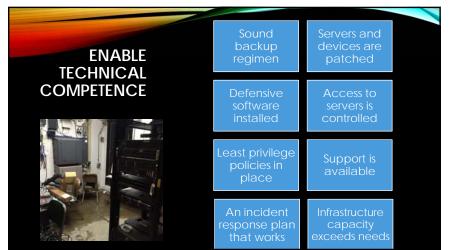
26





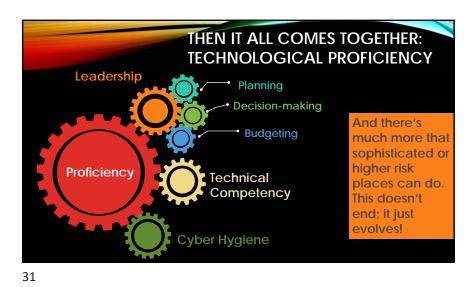
• Network with experts • Join MS-ISAC, the NJ-CCIC and GMIS!





30



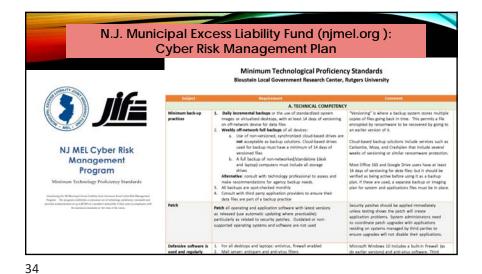


DO YOU MEET THE MINIMUM?

• Great...now you can do more and reduce risks even more:

- Do risk assessments of your third-party providers who have access to your network
- · Conduct a full inventory of your devices and software; and refresh it at least annually
- · Secure internet usage with filters and white listing of applications
- · Limit social media access to those who need it
- Implement wifi controls over segmented networks
- Ramp up technical training of tech staff and cyber hygiene training of everyone else
- Formalize all critical policies
- Apply the balance of the CIS Top 20 and implement a framework (larger places)

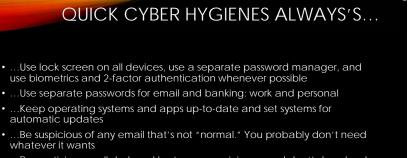




33

QUICK PERSONAL CYBER HYGIENE DON'TS

- **Don't** click on links in email that is offering you something, or making you worried or concerned about an account you have; **Do:** Go to the website of the company separately and check your account.
- Don't open attachments from people you don't know, or were not expecting from people you do know; Do: If you know the sender, check separately with the sender to see if they sent it
- · Don't open zip files from anyone you don't know just delete it
- Don't open zip files from someone you know, unless you separately positively confirm with them they sent it
- Don't click on pop-ups; be careful on clicking on links on cluttered screens
- Don't click on text message links from people you don't know; or reply to people you don't know



- ...Run antivirus on all desk and laptops as a minimum and don't download apps from 3rd parties unless you know they are safe.
- ...Make sure you have some kind of backup plan, and test it periodically to make sure it works

36

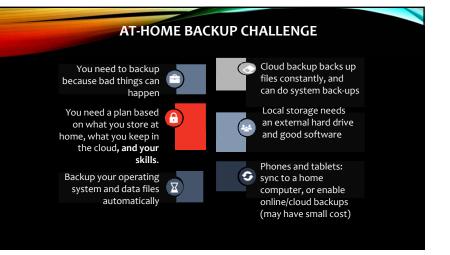
35



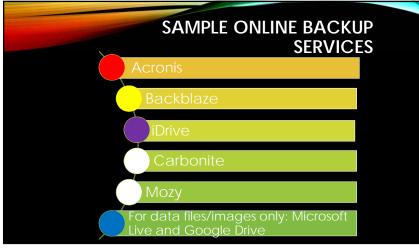


38





40





41

42