

NORTH DAKOTA  
LEGISLATIVE COUNCIL



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LEGISLATIVE COUNCIL

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**Presentation by:**

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**Legislative Procedures and Arrangements Committee**

Tuesday, March 8, 2016  
Harvest Room, State Capitol  
Bismarck, North Dakota

# Agenda

- Current Equipment and Utilization
- Laptops
- Tablets
- Computer Replacement Budget
- Computer Replacement Workgroup Recommendation

# Laptops & Tablets

- Current Equipment:
  - Laptop
    - HP 8760w
      - Screen Size: 17.3 inch
      - Weight: 8.3 lbs.
      - Screen Resolution: 1920 x 1080
  - Tablet
    - iPad (3<sup>rd</sup> Generation) 32 GB Verizon
- Utilization

# Laptops - Comparison

- Comparison of specific attributes:
  - Screen Size
  - Weight
- Common Features:
  - Business Class
  - Screen Resolution (1920 x 1080 – Full HD)
  - Solid State Drive (Self-Encrypted)
  - Long battery life
  - Backlit Keyboard
  - Touchpad with buttons
  - Ethernet port (wired network in chambers for LAWS)
  - Supports Windows 10 Pro

# Laptops – Screen Size Comparison

- Current 17.3 inch screen to 15.6 inch screen:

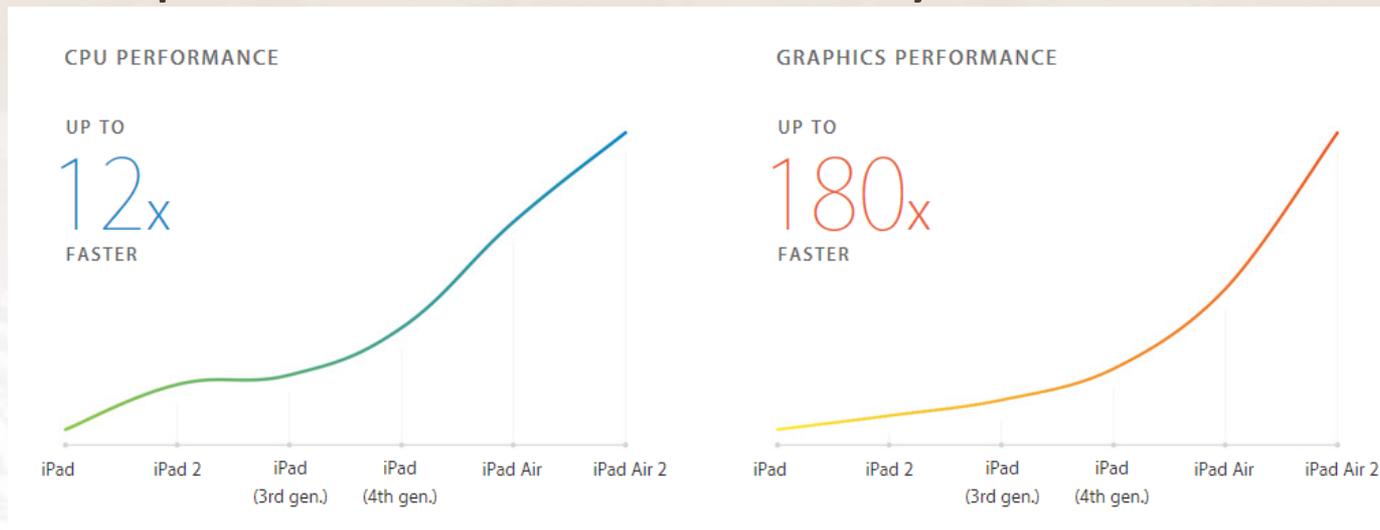


# Tablets

- Key Features:
  - Form factor
  - E-reader
  - Portable and very easy to use – multi-touch
  - Instant on
- Use Cases:
  - Mobile access to email, LAWS, ND Legislative Daily, Legislative Branch public web site
  - Mobile access to legislative information during legislative session standing committee meetings and interim committee meetings
  - Mobile access to legislative information from home wireless network or public wireless networks
  - Capture meeting notes or annotate documents

# Tablets – Devices

- Compare current iPad (3<sup>rd</sup> Gen.) to iPad Air 2
  - Faster, lighter, narrower, and thinner
  - Weighs 7.68 oz. less (1.46 lbs. vs. 0.98 lbs.)
  - iPad performance increases by model:



# Tablets – Devices

- Compare iPad Pro to iPad Air 2
  - Screen size - 12.9 inch vs. 9.7 inch
  - Weight 1.57 lbs. vs. 0.98 lbs.
  - Both iPads are wireless only
    - No Ethernet port



- iPad Pro:
  - Smart Connector interface which allows for two-way exchange of power and data
    - Smart Keyboard
  - Apple Pencil

# Computer Replacement Budget

<b>Laptop, iPad, and Software Budget</b>			
	Quantity	Amount	Total
Laptops	231	\$ 1,800	\$ 415,800
Microsoft Office Upgrade	227	\$ 250	\$ 56,750
Laptop Total			\$ 472,550
iPads (with case)	150	\$ 870	\$ 130,500
<b>Total Budget</b>			<b>\$ 603,050</b>

- Quantities:
  - Laptops
    - Legislators (141)
    - Assembly staff, clerks, interns, kiosk, steno/telephone, and spares (90)
  - iPads
    - Legislators (141)
    - Spares (9)

# Computer Replacement Workgroup Recommendation

HP reduced quoted price

		OPTIONS				Workgroup Recommendation
		1	2	3	4	2A
		HP EliteBook 840	HP EliteBook 850	HP ZBook 15u	HP ZBook 17	HP EliteBook 850
Size (inches)		14	15.6	15.6	17.3	15.6
Weight (lbs.)		3.2	4.1	4.1	7.0	4.1
Screen Resolution		1920 x 1080				
Cost		\$ 1,187	\$ 1,193	\$ 1,267	\$ 1,511	\$ 1,193
Legislator	Laptop	167,330	168,176	178,647	213,009	168,176
	Tablet - iPad Air 3 128 GB WiFi + Cellular (Verizon)	124,350	124,350	124,350	124,350	
	Tablet - iPad Pro 128 GB WiFi + Cellular (Verizon)					152,250
	iPad Case	6,300	6,300	6,300	6,300	6,300
Assembly Staff	Laptop	106,807	107,347	114,030	135,963	107,347
	Docking Stations (38)	4,142	4,142	4,142	5,776	4,142
All	Microsoft Office 2016	54,253	54,253	54,253	54,253	54,253
<b>TOTAL COST</b>		<b>\$ 463,182</b>	<b>\$ 464,568</b>	<b>\$ 481,722</b>	<b>\$ 539,651</b>	<b>\$ 492,468</b>
Budgeted Amount		\$ 603,050	\$ 603,050	\$ 603,050	\$ 603,050	\$ 603,050
<b>(Over)/Under Budget</b>		<b>\$ 139,868</b>	<b>\$ 138,482</b>	<b>\$ 121,328</b>	<b>\$ 63,399</b>	<b>\$ 110,582</b>
		<b>23.2%</b>	<b>23.0%</b>	<b>20.1%</b>	<b>10.5%</b>	<b>18.3%</b>