# ATTACHMENT TO SCHEDULE AA
CALCULATION OF ALLOWED AD VALOREM REVENUES FOR SCHOOL DISTRICTS

<table>
<thead>
<tr>
<th></th>
<th>(1) ASSESSED VALUATION (Excluding Net Proceeds of Mines)</th>
<th>(2) TAX RATE LEVIED</th>
<th>(3) TOTAL PREABATED AD VALOREM REVENUE [((1) \times (2)) / 100]</th>
<th>(4) AD VALOREM TAX ABATEMENT [[3] - [5]]</th>
<th>(5) BUDGETED ABATED AD VALOREM REVENUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. SCHOOL OPERATING:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property Tax Subject to</td>
<td>796,491,030</td>
<td>0.7500</td>
<td>5,973,683</td>
<td>521,105</td>
<td>5,452,578</td>
</tr>
<tr>
<td>Revenue Limitations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Proceeds revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>reserved per NRS 387.195</td>
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<tr>
<td>[Sch. AA (B2)]</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Total School Operating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>118,500</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>B. SCHOOL DEBT:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property Tax Subject to</td>
<td>796,491,030</td>
<td>0.5500</td>
<td>4,380,701</td>
<td>382,146</td>
<td>3,998,555</td>
</tr>
<tr>
<td>Revenue Limitations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Proceeds of Minerals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>87,000</td>
</tr>
<tr>
<td>Total School Debt</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,085,555</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>C. TOTAL OPERATING AND DEBT</strong></td>
<td>796,491,030</td>
<td>1.3000</td>
<td>10,354,384</td>
<td>903,251</td>
<td>9,656,633</td>
</tr>
</tbody>
</table>

**Notes:**
As of August 31, 2017 I will be retiring from Churchill County School District. I have decided to buy out my remaining year to reach my 30 years of teaching in Nevada so I may spend time with my family.

Sincerely,
Caryn Marshall

RECEIVED
MAY 24 2017
HR DEPT
End of Year Successful Outcomes at CCMS

NR21 and 1:1 Chromebooks for Students
Purpose of this Report

This report is meant to be a summary of results from year one in the K821 project. It contains data and information from many topics. You are being presented with this report not as a final look, but a starting point to inspire discussion and collaboration regarding technology and education at Churchill County Middle School.

I am happy to discuss this, and clarify any questions relating to my experiences with staff and students at CCMS this year.

Thank you,

N. Wait– Secondary Technology Integration Coach
The Use of Google Apps and Chromebooks is Exploding in American Education

In a recent poll which was reported by Forbes, educators were asked which company they would hire to help improve student attainment.
Why is Google preferred, and what are the benefits?

- More than half (52%) of educators said they would hire Google to improve student achievement, well-ahead of the next most-popular option, Apple with 13%.

- Google’s Chromebooks were the most widely-used devices provided by schools, named by 42% of teachers.

- G-suite and Google Classroom were clear leaders among the productivity tools, favored by 68%, with 17% preferring Microsoft’s Office 365 and Classroom products, and just 1% choosing Apple’s iWork and Classroom.

- More than three quarters of respondents predicted they would use Chromebooks and Google tools “more” or “a lot more” over the next five years, with just 3% saying usage would decrease.
Who Uses Google Apps and Devices? Why should we continue this in CCSD?

- More than 30 million primary and secondary students in the US - New York Times

- 72 of the top 100 universities in the United States use Google Apps - Securedgenetworks.com

- 70 million Google for Education users worldwide Jan 2017 - androidheadlines.com

- Being familiar with these tools is equivalent to being literate for today's student.
Hot Skills

Top 10 skills respondents plan to hire for in the next 12 months:

- Programming/application development: 35%
- Help desk/tech support: 35%
- Security/compliance/governance: 26%
- Cloud/SaaS: 26%
- Business intelligence/analytics: 26%
- Web development: 26%
- Database administration: 25%
- Project management: 25%
- Big data: 25%
- Mobile applications and device management: 21%

Source: Computerworld's Forecast 2017 survey of 196 IT managers, directors, and executives.

Base: 57 respondents who expect to increase IT head count in the next 12 months.

Students need to prepare for a different type of workforce than we did 10 or 15 years ago.

Using technology as a part of their education helps them build the foundation for the careers they will need to prepare for.
BrightBytes Data Measurement of Effective Technology Use in Education: May 2017

Overall Score  Classroom  Access  Skills  Environment

National Ave.  NR21 Ave.  CCMS Ave.
This is a big picture effort. We are not just throwing a machine at a challenge, but aligning our entire school experience with modern needs for the benefit of students. The following slides outline these 7 CCMS data points to consider.
How does this help students? CCMS Data - Curriculum

Foundational Skills
- Basic computing skills - sending email and creating spreadsheets
  - 40% find these tasks easy to perform

Online Skills
- Essential skills for contributing to and collaborating on the Internet
  - 48% readily utilize these skills

Multimedia Skills
- Ability to record and edit video
  - 55% find these tasks easy to perform

Beliefs
- How students feel about using technology in learning and daily life
  - 48% agree it enhances both

21st Century Student
307 students surveyed

Digital Citizenship Skills
- Responsible behavior when using technology - legal use of content, establishing a presence online, online safety, and cyberbullying prevention
  - 26% are taught these at least monthly

Confidence with Technology
- 68% can solve their own tech problems
- 77% learn new technologies easily

Although today's students are digital natives with many skills in social networking, the majority of them are not social learners with the ability to apply complex technology skills to everyday challenges.
How does this help students? CCMS Data - Infrastructure at school

100% of teachers can get devices for their students when needed more than half the time.

64% of teachers report high quality internet speed.

96% of teachers have access to a computer for their own use all the time at school.

100% of teachers report a typical student to computer ratio of 2:1 or 1:1.

Teachers who have difficulty getting access to high quality computers for students when needed are much less likely to plan and implement classroom activities that include digital communication, digital collaboration, digital creativity, and critical thinking.
How does this help students?

CCMS Data - Supervisory

- 71% of teachers feel recognized for using technology in their teaching more than half the time.
- 67% of teachers report that technology is part of classroom observations or visits more than half the time.
- 77% of teachers report that technology is a topic at department or grade-level meetings more than half the time.
- 14% of teachers believe that school internet filters get in the way of learning more than half the time.

Marzano's research on effective schools reports that strong leadership is one of the top five school-level factors impacting academic outcomes for students.
How does this help students? CCMS Data - Professional Development

Progress reports that 14 hours of high quality professional development on a single topic is needed before the classroom is impacted to a statistically significant degree.

**FOUNDATIONAL SKILLS**
Basic computing skills - sending email and creating spreadsheets
- 80% find these tasks easy to perform
- 11% of teachers have expressed interest in PD in this area

**ONLINE SKILLS**
Essential skills for contributing to and collaborating on the internet
- 48% recently utilized these skills
- 5% of teachers have expressed interest in PD in this area

**MULTIMEDIA SKILLS**
Ability to manipulate photos and record and edit audio or video
- 44% find these tasks easy to perform
- 47% of teachers have expressed interest in PD in this area

**BELIEFS**
How teachers feel about using technology for learning and in their daily life
- 77% agree it enhances both

**21ST CENTURY TEACHER**
33 teachers surveyed
- 59% are highly knowledgeable

**CONFIDENCE WITH TECHNOLOGY**
92% can solve their own tech problems
- 88% of technology is new

**DIGITAL CITIZENSHIP SKILLS**
Responsible behavior when using technology - legal, use of content, establishing a presence online, online safety, and cyberbullying prevention
- 59% are highly knowledgeable
How does this help students? CCMS Data - 21st Century Learning

- 64% of students are asked to collaborate online with classmates at least monthly.
- 26% of students are asked to write online at least monthly.
- 54% of students are asked to identify and solve authentic problems using technology at least monthly.
- 73% of teachers ask their students to complete online assessments at least monthly.

A research report from Adobe Education notes that, "In today's world, a proficient employee needs to be computer literate, visually literate, information literate, media literate, and digitally literate."
How does this help students? CCMS Data - Infrastructure at Home

- 96% of teachers have access to the Internet at home
- 89% of students have access to the Internet at home
- 100% of teachers have access to a device at home
- 93% of students have access to a device at home

A recent Pew report states that 92% of teachers believe that access to technology and the Internet has had a major impact on instruction.
Seventy six percent of teachers at schools that use Clarity agree that technology use can enhance student learning and that learning is more engaging with the use of technology.

- 64% of teachers perceive the quality of internet speed at school to be excellent or above average.
- 17% of students are part of a student technology support team.
- 59% of teachers rate the quality of LCDs or interactive whiteboards at school as excellent or above average.
- 77% of teachers rate the quality of tech support for problems disrupting instruction as excellent or above average.
- 92% of teachers believe they can fix technology problems they encounter.
- 77% of teachers rate the quality of devices at school as excellent or above average.
- 95% of teachers receive instructional tech planning within a week of their request.
Thank you for your time.

Feel free to contact me with any questions regarding technology and education at Churchill County Middle School.

CCMS
CHURCHILL COUNTY MIDDLE SCHOOL
Home of the Mighty Greenware

waiten@churchillcsd.com

ctl

NEVADA READY 21
Help Desk Operations

- Help Tickets
  - Closed 3,463 helps tickets this school year
  - Currently we have 14 open help tickets
  - Workload has increased 12% this year
Approval Ratings

Survey Results

- Response Time
  - 2014: 92%
  - 2015: 95%
  - 2016: 97%

- Technical Knowledge
  - 2014: 91%
  - 2015: 96%
  - 2016: 99%

- Resolved 1st Visit
  - 2014: 96%
  - 2015: 95%
  - 2016: 99%

- Attitude
  - 2014: 98%
  - 2015: 95%
  - 2016: 96%
New Equipment

New purchase implementations

- Chromebooks - **1751**
- Desktops - **46**
- Laptops – **38**
- Wireless Access Points – **20**
- Windows Surface Tablets - **15**
- Interactive Boards – **12**
- New SmartBoard projectors – **12**
- Time Clocks - **10**
Security Issues

- Security
  - Google Phishing
    - 25 staff affected
    - Mitigated before any damage was done.
  - Financial phishing scam — (names have been changed)
  - State Superintendent Scam — (names have been changed)
Show Me The Money

From: Superintendent Name
[mailto:superintendent@anywhere.net]
Sent: Friday, March 17, 2017 9:32 AM
To: susan@anywhere.net
Subject: Susan

Susan, Are you in the office?

Thanks
Superintendent Name

Sent from my iPhone
Show Me The Money

From: Superintendent Name
[mailto:superintendent@anywhere.net]
Sent: Friday, March 17, 2017 9:47 AM
To: susan@anywhere.net
Subject: RE: Susan

Okay good, Susan, I want you to process an outgoing payment today, can you handle that now?

Thanks
Superintendent Name

Sent from my iPhone
Becky,

Get me the complete list of W-2 copy of all department staffs' wage and tax statement for 2016 for all Schools in our county for a quick review and assessment with the Board.
I want you to prepare the list and email to me as an attachment in a PDF file format.

Thanks

Superintendent Name
Guidelines to stay safe online

- Be careful when clicking on links in your emails they could be harmful.
  - Hover your mouse over a link to make sure the domain matches the email ie. paypal.com
- Be wary of visiting unsafe or unreliable sites.
- Never click on a link that you do not trust on a web page or access to Facebook or messaging applications such as WatSab and other applications.
- If you receive a message from your friend with a link, ask him before opening the link to confirm, (infected machines send random messages with links).
- Keep your files backed up regularly and periodically.
- Be aware of fraudulent e-mail messages that use names similar to popular services such as PayePal instead of PayPal or use popular service names without commas or excessive characters.
- Use anti-virus and anti-malware and always have the latest update.
- Make sure your Windows has the latest updates.
- Change your passwords often and check if you or websites you frequent have been compromised
  - https://haveibeenpwned.com/
  - http://keepass.info
- Use 2 step verification/authentication when possible.
Top 10 Wi-Fi Client OS Types by Usage May 1st – May 5th

<table>
<thead>
<tr>
<th>OS Type</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>814.53 GB</td>
</tr>
<tr>
<td>unknown</td>
<td>334.79 GB</td>
</tr>
<tr>
<td>Android</td>
<td>139.34 GB</td>
</tr>
<tr>
<td>Windows</td>
<td>62.79 GB</td>
</tr>
<tr>
<td>iPod/iPhone/iPad</td>
<td>1932.83 MB</td>
</tr>
<tr>
<td>MacOS</td>
<td>1228.36 MB</td>
</tr>
<tr>
<td>Windows 8</td>
<td>72.66 MB</td>
</tr>
</tbody>
</table>

Total Usage for the week 1.35 TB
Testing at the Middle School

Bandwidth Usage over Time
Report Period: May 1, 2017, 12:00AM – May 5, 2017, 12:00AM
Wi-Fi Device Usage

Top 10 Aerohive Devices by Wi-Fi Client Usage
Report Period: May 8, 2017, 12:00AM – May 19, 2017, 12:00AM

- Aero.CCHS.V24
- Aero.CCHS.M14
- Aero.CCHS.S11
- Aero.CCHS.34
- Aero.CCHS.43
- Aero.CCHS.55
- Aero.CCHS.M4
- Aero.CCHS.V2
- Aero.CCHS.V23
- Aero.CCHS.S10

Legend:
- 2.4 GHz
- 5 GHz
Top Applications

Top 10 Applications by Usage – Summary

Oasis Online

Usage (GB)
Google Docs usage

Files Owned

- Drawings
- Forms
- Slides
- Sheets
- Docs
Questions?