

WAYZATA PUBLIC SCHOOLS

Independent School District 284
Wayzata, Minnesota

BOARD OF EDUCATION

Work Session Meeting - August 24, 2015 - 4:00 PM
District Administration Building

AGENDA

1. **CALL TO ORDER/ROLL CALL**
2. **ADMINISTRATIVE**
 - A. School Start Times *C. Anderson* 3
3. **TEACHING AND LEARNING**
4. **HUMAN RESOURCES**
5. **FINANCIAL**
 - A. Proposed Current Refunding of Series 2005A Bonds \$1,850,000 - Estimated Property Tax Savings of \$90,000 *J. Westrum* 9
 - B. Proposed Issuance of Certificates of Participation 2015A to Finance Wayzata High School Athletic Fields *J. Westrum*
 - C. Facilities
 1. Central Middle School Renovation Timelines
 2. MN School of Business Estimated Timelines
 - D. City of Wayzata - Cell Phone Tower Letter of Intent
6. **BOARD REPORTS**
7. **SCHOOL BOARD**
 - A. Tentative September 14 Regular Agenda 14
8. **ADJOURN**

WAYZATA PUBLIC SCHOOLS

Independent School District 284
Wayzata, Minnesota

MISSION

Our Core Purpose:

The mission of Wayzata Public Schools is to ensure a world-class education that prepares each and every student to thrive today and excel tomorrow in an ever-changing global society.

VISION

What We Intend to Create and Experience:

The vision of Wayzata Public Schools is to be a model of excellence where all students discover their unique talents, develop a love and tenacity for learning and demonstrate confidence and capacity for success through:

Exceptional Student Learning, Experiences and Relationships:

- High achievement by each and every student—no exceptions, no excuses;
- Content-rich, rigorous and personalized education;
- Meaningful relationships with teachers, staff, mentors and peers in a welcoming, nurturing and safe environment where all are valued for who they are and the contributions they make.

Community Trust, Confidence and Partnership:

- Comprehensive learning opportunities meeting diverse learner needs and community aspirations;
- Committed to being the first choice for students and families;
- Maintaining the highest levels of satisfaction and pride by staff, parents and community.

Operational Excellence:

- Attraction, development and retention of exemplary, creative and engaged employees;
- Accountability by all staff for individual and collective performance;
- Effective and efficient use of time and human, financial and physical resources;
- Culture of continuous improvement and responsive innovation;
- High performing district governance, management and partnerships.

MEMO

8-21-15

To: Wayzata Public Schools Board of Education

From: Chace B. Anderson, Superintendent

Re: School Start Time Considerations

At the July school board work session, the School Board was presented with school start time scenarios established by the Center for Efficient School Operations (CESO). CESO prepared five scenarios as possible school start times that were capable of being implemented in our District; three of which were presented as “feasible” and two that have since been ruled out due to the length of bus ride times. Although the five scenarios are listed below, I am recommending that Options D and E no longer be considered. The five scenarios prepared by CESO were:

- Option A: Existing school start times at all schools with Meadow Ridge Elementary School placed on the current late elementary start time. **(Status Quo Scenario)**
- Option B: Elementary schools on first and second tier, high school on second tier, middle schools on last tier. **(Research-Aligned Scenario)**
- Option C: High school later start time on first tier, middle schools split between first and second tier, elementary schools on the third tier. **(Hybrid Scenario)**
- Option D: Two tier schedule/high school and middle schools followed by elementary schools (Considered not feasible due to many students having rides in the morning and rides in the afternoon of up to one hour.)
- Option E: Two tier schedule/elementary schools followed by high school and middle schools (Considered not feasible due to many student having rides in the morning and rides in the afternoon of up to one hour.)

As you are aware, during recent years we have engaged in conversations and have received input from parents and community members about school start times. A good deal of thought has been given to this topic during this timeframe with a more intense focus in recent weeks/months. As we have indicated to the community, school start time changes would likely occur with the beginning of the 2016-17 school year, if changes were going to be made. We have also indicated that we would provide ample notice prior to any such change to ensure that families and our staff can plan accordingly.

I have read much of the research advocating for later school start times for teens, adolescents, and young adults and believe there is sufficient reliability and substance to the research to warrant our attention. I am sharing information below on the three different scenarios. CESO has informed us that each of the three scenarios can be implemented in our school district with cost neutrality. The scenarios have been named as follows: 1) Status Quo Scenario, 2) Research-Aligned Scenario, and 3) Hybrid Scenario. Each is described briefly with some associated “Pros” and “Cons.”

“Status Quo Scenario”

	<i>Drop At School</i>	<i>School Start Time</i>	<i>School Dismissal Time</i>	<i>Depart From School</i>	<i>Total Duration School Day</i>
TIER 1					
<i>Wayzata High School</i>	7:00	7:30	2:20	2:30	6:50
<i>Greenwood Elementary School</i>	7:35	7:45	2:25	2:30	6:40
<i>Oakwood Elementary School</i>	7:35	7:45	2:25	2:30	6:40
TIER 2					
<i>East Middle School</i>	8:10	8:20	3:10	3:20	6:50
<i>Central Middle School</i>	8:10	8:20	3:10	3:20	6:50
<i>West Middle School</i>	8:10	8:20	3:10	3:20	6:50
TIER 3					
<i>Birchview Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Gleason Lake Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Kimberly Lane Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Meadow Ridge Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Plymouth Creek Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Sunset Hill Elementary School</i>	9:00	9:10	3:50	4:00	6:40

With this scenario, all of the Wayzata schools would start and end at their current times. If this option were implemented, our new elementary school (Meadow Ridge) would run at the same time as the late start elementary schools. The primary concern associated with this option is that high school students still start school at the current time of 7:30 a.m. with some students needing to get on the bus as early as 6:20 a.m.

Pros

- Majority of students and families are not affected by a change to their school’s start and end times.
- Middle schools are on the same tier.

Cons

- Research has shown an early high school time is not optimal for learning for many students.
- Elementary schools are on two separate tiers.

“Research-Aligned Scenario”

	<i>Drop At School</i>	<i>School Start Time</i>	<i>School Dismissal Time</i>	<i>Depart From School</i>	<i>Total Duration School Day</i>
TIER 1					
<i>Kimberly Lane Elementary School</i>	7:20	7:30	2:10	2:20	6:40
<i>Gleason Lake Elementary School</i>	7:20	7:30	2:10	2:20	6:40
<i>Plymouth Creek Elementary School</i>	7:20	7:30	2:10	2:20	6:40
<i>Greenwood Elementary School</i>	7:20	7:30	2:10	2:20	6:40
<i>Oakwood Elementary School</i>	7:20	7:30	2:10	2:20	6:40
<i>Meadow Ridge Elementary School</i>	7:20	7:30	2:10	2:20	6:40
TIER 2					
<i>Wayzata High School</i>	7:55	8:20	3:10	3:20	6:50
<i>Sunset Hill Elementary School</i>	8:10	8:20	3:00	3:10	6:40
<i>Birchview Elementary School</i>	8:10	8:20	3:00	3:10	6:40
TIER 3					
<i>East Middle School</i>	9:00	9:10	4:00	4:10	6:50
<i>Central Middle School</i>	9:00	9:10	4:00	4:10	6:50
<i>West Middle School</i>	9:00	9:10	4:00	4:10	6:50

With this scenario, the elementary schools would be on the first and second tiers, the high school would be on the second tier and the middle schools would be on the third tier. Research suggests this scenario may be best educationally for many students; particularly for high school and middle school age students. With this option, the high school would start school at 8:20 a.m. and end at 3:10 p.m.; a timeframe within a range that is consistent with the findings and recommendations of researchers. The middle schools would also go at a later time and would maintain the benefit of all three middle schools operating on the same schedule. With this option, all of the elementary schools would start school earlier than the current schedule, which may seem to be a disadvantage to some. However, research suggests that an earlier start time for elementary students is in alignment with their natural sleep patterns.

Pros

- Research has shown that the later start time for high school students and older middle school students is more optimal for learning for the majority of students.
- Middle schools are on the same tier.
- All three levels would have good options for before and/or after school homework help and activities. The early elementary schools would have a good block of time in the afternoon for interventions, clubs, IEP meetings, activities, etc. The high school and the two elementary schools on Tier 2 would have before and after school time blocks for the above activities. The middle schools would be in a position to conduct many of these activities in the morning. Many of the middle school sports activities are community-sponsored and start in the late afternoon or early evening and would seem to match up nicely with this time schedule. The difference between the current high school dismissal time and the current middle school dismissal time is the same with this proposal.
- Given that elementary students generally go to bed earlier, their earlier dismissal time creates the option for more family time after school.

- Elementary teachers interested in helping with coaching or other co-curricular activities at the high school would be in a better position to do so.

Cons

- Elementary students from three of our current elementary schools would have a significantly earlier start time. Some students may experience a bus pickup time as early as 6:45 a.m.
- Middle school students would have a later start and dismissal time. Some students may experience being dropped off after school as late as 4:55 p.m. For those who may feel this is not a desirable situation, a thought to keep in mind is that students are in middle school for three years as compared to six years at elementary school and four years at high school. If this later middle school start time is considered relatively undesirable, it may help to be reminded that it is for the least number of years (3) and with the least number of students (about 2,500 middle school students as compared to about 4,800 elementary school students and 3,400 high school students). The tradeoff benefit comes through earlier elementary start times and a later high school start time. Three years of a start time that might seem a bit inconvenient or too late in exchange for 10 years of start times that are in better alignment with the research may be a good long term plan. And, the research is supportive of a later start time for middle level adolescents as well as for high school age students.
- High school students involved in sports and other activities may miss some of their 4th block classes due to a later dismissal time and the need to board a bus to get to events. Although, a block schedule may serve as an advantage in that students may be there for the first half of the block for instruction rather than missing an entire class period as might be the case with a six or seven period day.
- There may be some facility use challenges for individuals, outside organizations and/or city programs that provide athletic/club activities for students. This may be partially offset by the fact that we will soon have additional fields and gyms available at the high school. We would have less control of facilities that are not on our properties, i.e., ice arenas and swimming pools. It would require a team effort to work together to seek and find solutions.

“Hybrid Scenario”

	Drop At School	School Start Time	School Dismissal Time	Depart From School	Total Duration School Day
TIER 1					
<i>Wayzata High School</i>	7:30	7:55	2:45	2:55	6:50
<i>West Middle School</i>	7:25	7:35	2:25	2:35	6:50
<i>East Middle School</i>	7:25	7:35	2:25	2:35	6:50
TIER 2					
<i>Central Middle School</i>	8:10	8:20	3:10	3:20	6:50
TIER 3					
<i>Birchview Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Gleason Lake Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Greenwood Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Kimberly Lane Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Meadow Ridge Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Oakwood Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Plymouth Creek Elementary School</i>	9:00	9:10	3:50	4:00	6:40
<i>Sunset Hill Elementary School</i>	9:00	9:10	3:50	4:00	6:40

With this option, the high school starts about 25 minutes later than its current start time, the middle schools operate on the first and second tiers, and the elementary schools all are on the third tier. This scenario allows the high school to operate at a time that research suggests is more appropriate than the current time of 7:30 a.m. It also allows the elementary schools to be on the same tier with each other; making staff development and other planning activities more conducive across the school district. This change may not be considered an advantage for the elementary schools that are currently running on the early schedule. A disadvantage of this option is that the middle schools will not be on the same tier, and two of the middle schools would run at an earlier time than the current schedule; a move that is actually somewhat counterintuitive given the research that many middle school students would also gain some benefit by a later school start time.

Pros

- Research has shown that the later start time for high school students is more conducive to learning for many students.
- Elementary schools will operate on the same tier.

Cons

- Greenwood and Oakwood Elementary Schools would be moved to a later start time.
- East and West Middle Schools would be moved to an earlier start time, and Central Middle School would remain at its current start time creating some challenges with staff development and other planning activities, recognizing that the middle schools are on different tiers.
- Given that elementary students generally go to bed earlier, after-school family time continues to be somewhat limited given the late dismissal time for the elementary schools.

- City of Plymouth engineers and the Plymouth police chief provided input on this scenario and shared some concern that the morning high school traffic would be occurring during the peak time of the rush hour.

At the July 27 school board work session, the School Board asked me to come back with an update including a recommended scenario and/or a recommended decision-making process at the August 24 work session. Since the July work session, I have met with principals at a meeting on August 12, I have heard their feedback, and I have reflected further about possible next steps. Although this is not necessarily a recommendation at this time, I do think the “Research-Aligned Scenario,” if eventually implemented, would be the scenario that is in the best interest of the greatest number of our students. It is most in alignment with current research.

In my opinion, through study of adolescent sleep-time research, conversations with principals and other staff, attendance at conferences with medical professionals who are experts about what is best for young adolescents, and based on my own educational experiences, I believe the best of the imperfect options is the Research-Aligned Scenario. Let me reiterate, there is no perfect option! This scenario is solid, it is in alignment with credible research, it can be implemented with minimal or no financial impact, and it is one that I believe students, families and staff would “settle into” after a relatively short time. It would become the new norm, new routines would be established and I would predict that many would not be able to envision going back to the “way it was” after growing accustomed to this new schedule. There will be, however, a number of logistical challenges associated with any change to the current school start times.

I would recommend that the School Board consider the collection of any desired additional information/feedback during the month of September and seek to finalize the school start time decision at the October 12, 2015 school board meeting. Discussion should occur at the upcoming work session regarding what further community engagement and feedback might be desired by the School Board as we move forward with decision-making. CESO has provided us with the scenarios that are feasible. There are likely not other scenarios that would bring a significantly different or new concept to the table. However, community awareness and providing an opportunity for constituents to share their insights about implementation considerations would be important in an effort to ensure we are able to move forward with confidence and with good community support for any proposed start time changes.

I have chosen to not interject research citations within the text of this memo. For those wishing to review some of the research, I would recommend visiting the National Sleep Foundation website for pertinent research. I have included another website link with additional research reports. As you will see, the research list is quite exhaustive.

<http://sleepfoundation.org/>

<http://www.smartschoolstart.org/mental-and-physical-health/scientific-literature/>

State and Local Bonds - Bond Buyer Go 20-Bond Municipal Bond Index



Source: Board of Governors of the Federal Reserve System (US)

Shaded areas indicate US recessions - 2015 research.stlouisfed.org

Wayzata School District No. 284

\$1,850,000 GO School Building Refunding Bonds, Dated December 1, 2015

Proposed Current Refunding of Series 2005A

Assuming Current GO BQ "AAA" Market Rates

Sources & Uses

Dated 12/01/2015 | Delivered 12/01/2015

Sources Of Funds

Par Amount of Bonds	\$1,850,000.00
Reoffering Premium	41,956.40
Total Sources	\$1,891,956.40

Uses Of Funds

Total Underwriter's Discount (1.000%)	18,500.00
Costs of Issuance	38,000.00
Deposit to Current Refunding Fund	1,835,000.00
Rounding Amount	456.40
Total Uses	\$1,891,956.40

Wayzata School District No. 284

\$6,760,000 GO School Building Refunding Bonds, Series 2005A

Prior Original Debt Service

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
02/01/2016	-	-	-	-	-
08/01/2016	-	-	36,700.00	36,700.00	-
02/01/2017	310,000.00	4.000%	36,700.00	346,700.00	383,400.00
08/01/2017	-	-	30,500.00	30,500.00	-
02/01/2018	305,000.00	4.000%	30,500.00	335,500.00	366,000.00
08/01/2018	-	-	24,400.00	24,400.00	-
02/01/2019	295,000.00	4.000%	24,400.00	319,400.00	343,800.00
08/01/2019	-	-	18,500.00	18,500.00	-
02/01/2020	925,000.00	4.000%	18,500.00	943,500.00	962,000.00
Total	\$1,835,000.00	-	\$220,200.00	\$2,055,200.00	-

Yield Statistics

Base date for Avg. Life & Avg. Coupon Calculation	12/01/2015
Average Life	3.167 Years
Average Coupon	3.7894737%
Weighted Average Maturity (Par Basis)	3.167 Years

Refunding Bond Information

Refunding Dated Date	12/01/2015
Refunding Delivery Date	12/01/2015

Wayzata School District No. 284

\$1,850,000 GO School Building Refunding Bonds, Dated December 1, 2015

Proposed Current Refunding of Series 2005A

Assuming Current GO BQ "AAA" Market Rates

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
12/01/2015	-	-	-	-	-
08/01/2016	-	-	24,666.67	24,666.67	-
02/01/2017	320,000.00	2.000%	18,500.00	338,500.00	363,166.67
08/01/2017	-	-	15,300.00	15,300.00	-
02/01/2018	315,000.00	2.000%	15,300.00	330,300.00	345,600.00
08/01/2018	-	-	12,150.00	12,150.00	-
02/01/2019	295,000.00	2.000%	12,150.00	307,150.00	319,300.00
08/01/2019	-	-	9,200.00	9,200.00	-
02/01/2020	920,000.00	2.000%	9,200.00	929,200.00	938,400.00
Total	\$1,850,000.00	-	\$116,466.67	\$1,966,466.67	-

Yield Statistics

Bond Year Dollars	\$5,823.33
Average Life	3.148 Years
Average Coupon	2.0000001%
Net Interest Cost (NIC)	1.5971998%
True Interest Cost (TIC)	1.5835286%
Bond Yield for Arbitrage Purposes	1.2604340%
All Inclusive Cost (AIC)	2.2605564%

IRS Form 8038

Net Interest Cost	1.2498945%
Weighted Average Maturity	3.151 Years

Wayzata School District No. 284

\$1,850,000 GO School Building Refunding Bonds, Dated December 1, 2015

Proposed Current Refunding of Series 2005A

Assuming Current GO BQ "AAA" Market Rates

Debt Service Comparison

Date	Total P+I	Net New D/S	Old Net D/S	Savings
02/01/2016	-	(456.40)	-	456.40
02/01/2017	363,166.67	363,166.67	383,400.00	20,233.33
02/01/2018	345,600.00	345,600.00	366,000.00	20,400.00
02/01/2019	319,300.00	319,300.00	343,800.00	24,500.00
02/01/2020	938,400.00	938,400.00	962,000.00	23,600.00
Total	\$1,966,466.67	\$1,966,010.27	\$2,055,200.00	\$89,189.73

PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings.....	86,029.35
Net PV Cashflow Savings @ 1.260%(Bond Yield).....	86,029.35
Contingency or Rounding Amount.....	456.40
Net Present Value Benefit	\$86,485.75
Net PV Benefit / \$1,977,985.75 PV Refunded Debt Service	4.372%
Net PV Benefit / \$1,835,000 Refunded Principal...	4.713%
Net PV Benefit / \$1,850,000 Refunding Principal..	4.675%

Refunding Bond Information

Refunding Dated Date	12/01/2015
Refunding Delivery Date	12/01/2015

WAYZATA PUBLIC SCHOOLS

Independent School District 284
Wayzata, Minnesota

BOARD OF EDUCATION

Regular Meeting - September 14, 2015 - 7:00 PM
Wayzata City Hall
600 Rice Street, Wayzata

AGENDA

1. **CALL TO ORDER/ROLL CALL**
2. **APPROVAL OF AGENDA AND CONSENT AGENDA ITEMS**

Consent Agenda items are considered to be routine in nature and will be enacted by one motion. There will be no separate discussion of these items unless a Board member or citizen so requests, in which event the item will be removed as a Consent Agenda item and addressed. Consent Agenda items are as follows:

 - A. Approval of Minutes
 - B. Finance and Business Recommendations
 1. Monthly Reports
 - C. Human Resource Recommendations
 1. Monthly Recommendations
3. **RECOGNITIONS**
 - A. Retiree Recognition
 - B. May Employee of the Month - Rita Dornbusch
 - C. June Employee of the Month - Marc Wegner
 - D. July Employee of the Month - ?
 - E. September Employee of the Month - Susan McCollins
4. **REPORTS FROM ORGANIZATIONS**
5. **STUDENT CURRICULUM PRESENTATION**
6. **SUPERINTENDENT'S REPORTS AND RECOMMENDATIONS**
 - A. Superintendent
 1. Report on the Start of the 2015-2016 School Year
 2. Policies for First Reading
 - a. Policy 212: Public Participation in School Board Meetings
 - B. Teaching and Learning
 - C. Finance and Business Services
 1. Monthly Financial Reports
 - D. Human Resource Services
7. **OTHER BOARD ACTION**
8. **BOARD REPORTS**
9. **AUDIENCE OPPORTUNITY TO ADDRESS SCHOOL BOARD**

This section of the agenda provides an opportunity for those who have called and placed their names on the list and for members of the audience to address the School Board.
10. **ADJOURN**