ORANGE COUNTY, NC SCHOOLS ADEQUATE PUBLIC FACILITIES ORDINANCE

PREPARED BY A STAFF COMMITTEE: PLANNING DIRECTORS,
SCHOOL REPRESENTATIVES, TECHNICAL ADVISORY COMMITTEE
(SAPFOTAC)

(PURSUANT TO PROVISIONS OF A MEMORANDUM OF UNDERSTANDING ADOPTED IN 2002 & 2003)

(ORDINANCES ADOPTED IN JULY 2003)

Annual Report **2024**

(BASED ON NOVEMBER 2023 DATA)

CERTIFIED BY THE BOCC ON XXX, 2024

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2024 SAPFOTAC Executive Summary

I. Base Memorandum of Understanding

	Chapel Hill/Carrboro School District	Orange County School District
Elementary	105%	105%
Middle	107%	107%
High	110%	110%

		Chapel Hill/Ca School Dist		Orange County School District			
	Capacity	Membership	Change from Prior Year			Change from Prior Year	
Elementary	5664	4575	- 82	3361	3055	- 4	
Middle	2944	2716	- 82	2166	1579	-19	
High	3975	3974	+24	2939	2382	-105	

- C. Membership Date *November 15......*(*No Change*)......*Pg. 18*
- II. Annual Update to SAPFO System
 - A. Capital Investment Plan (CIP)(No Change)Pg. 19
 - B. Student Membership Projection Methodology(No Change)Pg. 20 The average of 3, 5, and 10-year history/cohort survival, linear and arithmetic projection models.

Analysis of 5 Years of Projections for 202-2024 School Year - Chapel Hill/Carrboro City Schools

(The first column for each year includes the student membership projection made for 2023-2024 in that given year. The second column for each year includes the number of students the projection was off compared to actual membership. An "L" indicates the projection was low compared to the actual, whereas an "H" indicates the projection was high compared to the actual.)

			Y	ear Proj	ection Ma	de for 202	23-2024 M	embership			
	Actual 2023 Membership	2018	3-2019	2019-2	2020	2020-2	2021	2021	-2022	2022-2	023
Elementary	4575	5498	H923	5367	H792	4708	H133	4582	L7	4581	Н6
Middle	2716	2943	H227	2992	H276	2830	H114	2742	H26	2710	L6
High	3974	4037	H63	4085	H111	3915	L59	3908	L66	3914	H60

Analysis of 5 Years of Projections for 2023-2024 School Year - Orange County Schools

(The first column for each year includes the student membership projection made for 2023-2024 in that given year. The second column for each year includes the number of students the projection was off compared to actual membership. An "L" indicates the projection was low compared to the actual, whereas an "H" indicates the projection was high compared to the actual.)

				Yea	r Projectio	n Made for	2023-2024	Membersh	ip		
	Actual 202 3Membershi p	2018	-2019	2019	-2020	2020-	-2021	2021	-2022	2022-2	2023
Elementary	3055	3321	H266	3320	H265	2994	L61	3000	L55	3063	Н8
Middle	1579	1710	H131	1713	H134	1611	H32	1622	H43	1588	Н9
High	2382	2426	H44	2433	H51	2367	L15	2508	H126	2446	H64

D. Student Membership Growth Rate(Change)..........Pg. 37

	Projected Average Annual Growth Rate Over Next 10 Years									
·	Chapel Hill/Carrboro						Orange County School District			
	School District									
Year Projection	2019-	2020-	2021-	2022-	2023-	2019-	2020-	2021-	2022-	2023-
Made:	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
Elementary	0.65%	-0.23%	-0.88%	-0.47%	-1.14%	0.84%	-0.02%	-0.04%	0.26%	-0.14%
Middle	-0.07%	-1.50%	-2.10%	-1.77%	-1.96%	0.37%	-0.67%	-0.72%	-0.15%	-0.44%
High	0.03%	-1.44%	-2.15%	-2.09%	-1.83%	0.21%	-0.98%	-1.06%	0.98%	-0.91%

E. Student / Housing Generation Rate(No Change)Pg. 40

SCHOOL ADEQUATE PUBLIC FACILITIES ORDINANCE STATUS

(Based on future year Student Membership Projections)

CHAPEL HILL/CARRBORO SCHOOL DISTRICT

Elementary School Level

- A. Does not currently exceed 105% LOS standard (current LOS is 80.8%).
- B. The projected growth rate at this level is expected to increase but remain negative over the next 10 years (average -1.14%% per year compared to an average of -1.89% over the past 10 years).
- C. Projections are not showing a need for an additional Elementary School in the 10-year projection period.

Middle School Level

- A. Does not currently exceed 107% LOS standard (current LOS is 92.3%).
- B. The projected growth rate at this level is expected to decrease and remain negative over the next 10 years (average -1.96% compared to an average of -0.48% over the past 10 years).
- C. Projections are not showing a need for an additional Middle School in the 10-year projection period.

High School Level

- A. Does not currently exceed the 110% LOS standard (current LOS is 100.0%).
- B. The projected growth rate at this level is expected to decrease and be negative over the next 10 years (average -1.83% compared to +0.56% over the past 10 years).

C. Projections are not showing a need to expand Carrboro High School from the initial capacity of 800 students to the ultimate capacity of 1,200 students in the 10-year projection period.

ORANGE COUNTY SCHOOL DISTRICT

Elementary School Level

- A. Does not currently exceed 105% LOS standard (current LOS is 90.9%).
- B. The projected growth rate at this level is expected to increase but remain negative over the next 10 years (average -0.14% compared to -1.13% over the past 10 years).
- C. Projections are not showing a need for an additional Elementary School in the 10-year projection period.

Middle School Level

- A. Does not currently exceed 107% LOS standard (current LOS is 72.9%).
- B. The projected growth rate at this level is expected to increase but remain negative over the next 10 years (average -0.44% compared to -0.98% over the past 10 years).
- C. Projections are not showing a need for an additional Middle School in the 10-year projection period.

High School Level

- A. Does not currently exceed 110% LOS standard (current LOS is 81.0%).
- B. The projected growth rate at this level is expected to decrease and remain negative over the next 10 years (average -0.91% compared to -0.13% over the past 10 years).
- C. Projections are not showing a need for additional High School in the 10-year projection period.

ADDITIONAL INFORMATION

Pre-K Students

In recent years, Pre-K enrollment has been a topic of discussion with both school districts. At this time, SAPFO has not been amended to include Pre-K in the membership and capacity numbers. However, Pre-K numbers and impacts continue to be monitored by the SAPFOTAC. Pre-K students for each district is as follows:

	Chapel Hill-Carrboro City Schools	Orange County Schools
School Year	Number of Students	Number of Students
2019-20	267	144
2020-21	208 (-59)	86 (-58)
2021-22	222 (+14)	125 (+39)
2022-23	295 (+73)	101 (-24)
2023-24	250 (-45)	91 (-10)

Charter and Private Schools

Currently, there are two Charter Schools located in the Town of Hillsborough. Charter student membership for these two schools is as follows:

	Eno River Academy	The Expedition School
School Year	Number of Students	Number of Students
2017-18	542	326
2018-19	655 (+113)	355 (+29)
2019-20	715 (+60)	365 (+10)
2020-21	747 (+32)	
2021-22	751 (+4)	365*
2022-23	777 (+26)	
2023-24	805 (+28)	362 (-3)
*The Expedition S	School reached full capacity of .	365 students in 2019-20

Charter and private schools are not included as part of the SAPFO Annual Report and, as a result, their membership and capacity numbers are not included in future projections. SAPFO projections are used for projecting only public school capacity/construction needs. However, the SAPFO Technical Advisory Committee does monitor charter and private schools and their effect on student enrollment in both school districts. If a charter or private school were to close and a spike were to be realized in school enrollment, the student projections would likely accelerate the need for additional capacity in future years, but likely still within an appropriate time for CIP planning. Charter Schools are also monitored by the Department of Public Instruction (DPI) which provides pupil information, based on data received from Charter Schools located in Orange County, to the County for funding purposes. The County budgeted for charter schools as follows:

	Chapel Hill-Carrboro	Orange County
	City Schools	Schools
Fiscal Year	Number of Students	Number of Students
2017-18	162	617
2018-19	155 (-7)	769 (+152)
2019-20	169 (+14)	843 (+74)
2020-21	166 (-3)	885 (+42)
2021-22	156 (-10)	919 (+34)
2022-23	205 (+49)	951 (+32)
2023-24	210 (+5)	999 (+48)

Although charter and private schools numbers are not collected for SAPFO purposes, impacts due to enrollment at these schools are accounted for in SAPFO process with the annual reporting of student membership and growth rates contained in the 10-year student projections.

Future Residential Development

Proposed growth is not included in the SAPFO projection system until actual students begin enrollment. The Certificate of Adequate Public Schools (CAPS) test is conducted during the approval process at a certain stage. Once students are enrolled in a school year, through annual reporting of student membership numbers, 10-year student projections can be updated to display

future capacity needs in time to efficiently plan for future school capacity/construction requests. The SAPFOTAC continue to monitor and evaluate the demand and growth of residential development throughout Orange County as well as its effect on student membership rates. Below is a list of larger residential projects and the potential number of students from these projects which may have an impact in the short term. Please note, the City of Mebane is not a party to the SAPFO agreement and therefore does not require that CAPS (Certificate of Adequate Public Schools) be issued prior to development approvals. As a result, the expected number of students is based on unit type and bedroom count estimates.

Residential Project	Jurisdiction	Proposed Total Units Remaining	Expected Number of Students
Jade Creek	Carrboro	72	Elementary: 19 Middle: 13 High: 12
Weavers Grove	Chapel Hill	235	Elementary: 44 Middle: 18 High: 20
Park Apartments	Chapel Hill	283	Elementary: 19 Middle: 7 High: 9
Trinity Court Affordable Housing	Chapel Hill	54	Elementary: 7 Middle: 3 High: 4
Columbia Street Annex	Chapel Hill	59	Elementary: 9 Middle: 3 High: 3
101-111 Erwin Road	Chapel Hill	52	Elementary: 21 Middle: 10 High: 9
710 N Estes Townhomes	Chapel Hill	107	Elementary: 21 Middle: 10 High: 9
Stanat's Place	Chapel Hill	47	Elementary: 12 Middle: 4 High: 4
Aura Blue Hill	Chapel Hill	301	Elementary: 21 Middle: 8 High: 11
Calyx (Glen Lennox)	Chapel Hill	291	Elementary: 18 Middle: 6 High: 9
Collins Ridge Phase 1	Hillsborough	672	Elementary: 84 Middle: 45 High: 57

Residential Project	Jurisdiction	Proposed Total Units Remaining	Expected Number of Students
Persimmon at Cates Creek	Hillsborough	346	Elementary: 22 Middle: 11 High: 15
Stagecoach Corner	Mebane	35	Elementary: 9 Middle: 5 High: 6
Bowman Place	Mebane	67	Elementary: 15 Middle: 7 High: 8
The Townes of Oakwood Square	Mebane	58	Elementary: 3 Middle: 2 High: 3
Tupelo Junction I	Mebane	157	Elementary: 38 Middle: 19 High: 20
Tupelo Junction II	Mebane	207	Elementary: 56 Middle: 27 High: 35
Oakwood Subdivision	Mebane	409	Elementary: 110 Middle: 53 High: 70
11th Street Apartments	Mebane	48	Elementary: 10 Middle: 4 High: 5
Oak Grove Trails	Mebane	51	Elementary: 3 Middle: 2 High: 2
Meadows	Mebane	17	Elementary: 3 Middle: 2 High: 2
Meadowstone	Mebane	147	Elementary: 8 Middle: 5 High: 6
Edenview	Orange County (OCS)	38	Elementary: 10 Middle: 5 High: 7

The SAPFOTAC also monitors projects that have not reached the stage of the development process when CAPS are issued. Therefore, student estimates are not yet available. The following is a list of projects for which rezoning has been approved:

Residential Project	Jurisdiction	Expected Number of Units
Newbury	Carrboro	38-44
South Green	Carrboro	63
Hillmont	Chapel Hill	500
Gateway	Chapel Hill	388
St Paul Village	Chapel Hill	350
Chapel Hill Crossing	Chapel Hill	290-344
101 E Rosemary St	Chapel Hill	150
South Creek	Chapel Hill	688-815
Jay St Affordable Housing	Chapel Hill	48
Homestead Road Tri-Point	Chapel Hill	119

School Renovation and Expansion

The Schools Adequate Public Facilities Ordinance (SAPFO) student projections illustrate when the adopted level of service capacities are forecasted to be met and/or exceeded in anticipation of Capital Improvement Plan (CIP) planning and the construction of a new school. Both school districts continue planning efforts to renovate and expand existing facilities to address school capacity needs in a more feasible way. Additional capacity resulting from school renovations and expansions will be added to the projection models in stages, once funding is approved, versus the addition of greater capacity when a new school is constructed and completed. The renovation and expansion to existing facilities may delay construction of new schools further into the future, depending on how and how much capacity is added to the system. Decisions on the timing of reconstruction (i.e. capacity additions) funding would be directly linked to the SAPFO model at the appropriate time.

2023 Woolpert Facilities Capital Needs Assessment and Operations Research and Education Laboratory (OREd) Student Projections

In 2023, Orange County contracted with Woolpert, Inc. to conduct a Facilities Capital Needs Assessment on all schools within both districts. Part of the assessment included calculating capacity at each school. At the Elementary level, two capacity calculations were completed: one that excluded space used by Pre-K programs and one that did not account for Pre-K usage. Woolpert, Inc. has presented its findings and discussions regarding the results are on-going. Also in 2023, each school district contracted with NC State's Operations Research and Education Laboratory (OREd) to complete a "Land Use Study" and student membership projections. OREd's projection model includes a forecasting component whereas the SAPFO model is mathematically based using historical data and accepted projection methodologies. Discussions regarding the results of the study are on-going.

Orange County, NC School Adequate Public Facilities Ordinance

Introduction

The Schools Adequate Public Facilities Ordinance (SAPFO) and its Memorandum of Understanding are ordinances and agreements, respectively. Supporting documents are anticipated to be dynamic to incorporate the annual changing conditions of membership, capacity and student projections that may affect School Capital Investment Plan (CIP) timing. This formal annual report will be forthcoming to all of the Schools Adequate Public Facilities Ordinance partners each year as new information is available.

This updated information is used in the schools capital needs process of the Capital Investment Plan (Process 1) and within elements of the Schools Adequate Public Facilities Ordinance Certificate of Adequate Public Schools (CAPS) spreadsheet system (Process 2).

This report and any comments from the Schools Adequate Public Facilities Ordinance partners will be considered in the first half of each year by the Board of County Commissioners at a regular or special meeting. The various elements of the report are then "certified" and formally considered in the process of the upcoming Capital Investment Plan. The Certificate of Adequate Public Schools system is updated after November 15 when data is received from the school districts with actual membership and pre-certified capacity (i.e. CIP capacity or prior "joint action" capacity changes).

The Schools Adequate Public Facilities Ordinance and Memorandum of Understanding have dynamic aspects. The derivation of the baseline and update to the variables will continue in the future as a variety of school related issues are fine-tuned by technical and policy groups.

The primary facet of this report includes the creation of mathematical projections for student memberships by school levels (Elementary, Middle and High) and by School Districts (Chapel Hill/Carrboro and Orange County). This information is found in Section II, Subsections B, C, D, and E.

In summary, this report serves as an update to the dynamic conditions of student membership and school capacity which affect future projected needs considered in Capital Investment Planning.

Interested parties may make their comments known to the Board of County

Commissioners prior to their review of the report and school CIP completion or ask questions of the SAPFOTAC members.

Schools Adequate Public Facilities Ordinance Partners

Annual Report as Outlined in Schools Adequate Public Facilities Ordinance Memorandum of Understanding (SAPFO MOU) Section 1d

Respectfully Submitted to Schools Adequate Public Facilities Ordinance Partners

Chapel Hill-Carrboro City School District SAPFO	Orange County School District SAPFO
Board of County Commissioners	Board of County Commissioners
Carrboro Town Council	Hillsborough Board of Commissioners
Chapel Hill Town Council	
Chapel Hill-Carrboro School Board	Orange County School Board

Planning Directors/School Representatives Technical Advisory Committee (aka SAPFOTAC)

Town of Carrboro
Trish McGuire, Planning Director
301 West Main Street
Carrboro, NC 27510

Town of Chapel Hill Britany Waddell, Planning Director 405 Martin Luther King, Jr. Blvd. Chapel Hill, North Carolina 27514

Town of Hillsborough Shannan Campbell, Planning and Economic Development Manager P.O. Box 429 Hillsborough, NC 27278

Orange County
Cy Stober, Planning Director
Perdita Holtz, Deputy Planning Director, Long-Range Planning
Kirk Vaughn, Budget Director
131 W. Margaret Lane
P.O. Box 8181
Hillsborough, NC 27278

Orange County School District Jim Merrill, Interim Superintendent 200 E. King Street Hillsborough, NC 27278

Chapel Hill-Carrboro City School District Nyah Hamlett, Superintendent 750 Merritt Mill Road Chapel Hill, NC 2751

I. Base Memorandum of Understanding

A. Level of Service

- 1. Responsible Entity for Suggesting Change Change can only be effectuated by amendment to Memorandum of Understanding (MOU) by all SAPFO partners.
- 2. *Definition* Level of Service (LOS) means the amount (level) of students that can be accommodated (serviced) at a certain school system grade group [i.e., Elementary level (K-5), Middle Level (6-8), High School Level (9-12)].

3. Standa	ırd for:		Standard for:					
Chapel Hill-C	Carrboro City	School District	Orange County School District					
Elementary	Middle	High School	Elementary	Middle	High School			
105%	107%	110%	105%	107%	110%			
4. Analys	is of Existing	Conditions:	Analysis of Existing Conditions:					
Chapel Hill-O	Carrboro City	School District	Orange County S	School Distri	ct			
These stand	ards are accept	able at this time.	e. These standards are acceptable at this time.					
5. Recommendation:			Recommendation:					
	2 1 04		0 0 4	3 1 1 1 1 1 2 4 4	4			

Chapel Hill-Carrboro City School District Orange County School District

No change from above standard.

No change from above standard.

B. Building Capacity and Membership

- 1. Responsible Entity for Suggesting Change The Planning Directors, School Representatives, and Technical Advisory Committee (SAPFOTAC) will receive requested changes that are CIP related and adopted in the prior year. CIP capacity changes will be updated along with actual membership received in November of each year. Other changes will be sent to a 'Joint Action Committee' of the BOCC and Board of Education, as noted in the MOU, who will make recommendations and forward changes (on the specific forms with justification) to the full Board of County Commissioners for review and action. These non-CIP changes would be updated in the upcoming November CAPS system recalibration and included in the SAPFOTAC report.
- 2. Definition For purposes of this Memorandum, "building capacity" will be determined by reference to State guidelines and the School District guidelines (consistent with CIP School Construction Guidelines/policies developed by the School District and the Board of County Commissioners) and will be determined by a joint action of the School Board and the Orange County Board of Commissioners. As used herein the term "building capacity" refers to permanent buildings. Mobile classrooms and other temporary student accommodating classroom spaces are not permanent buildings and may not be counted in determining the school districts building capacity.

3. Standard for:

Chapel Hill-Carrboro City School District

The original certified capacity for each of the schools was certified by the respective superintendent and incorporated in the initialization of the CAPS system (Chapel Hill-Carrboro School District April 29, 2002 - Base) Capacity changes were made each year as follows:

2003: Increase of 619 at Rashkis Elementary.

2004: No changes at Elementary, Middle, or High School levels.

Standard for:

Orange County School District

The original certified capacity for each of the schools was certified by the respective superintendent and incorporated in the initialization of the CAPS system (Orange County School District April 30, 2002 - Base)

Capacity changes were made each year as follows:

2003: No net increase in capacity at Elementary level. No changes at Middle School level. Increase of 1,000 at Cedar Ridge High School.

2005: No changes at Elementary, Middle, or High School levels.

2006: No changes at Elementary, Middle, or High School levels.

2007: An increase of 800 at the High School level with the opening of Carrboro High School.

2008: An increase of 323 at the Elementary School level due to the opening of Morris Grove Elementary School and the implementation of the 1:21 class size ratio in grades K-3

2009: No changes at Elementary, Middle, or High School levels.

2010: An increase in capacity of 40 students at the High School level with Phoenix Academy High School becoming official high school within the district

2011: No changes at Elementary, Middle, or High School levels.

2012: No changes at Elementary, Middle, or High School levels.

2013: An increase in capacity of 585 students due to the opening of Northside Elementary School.

2014: An increase in capacity of 104 students due to the opening of the Culbreth Middle School addition.

2015: No changes at Elementary, Middle, or High School levels.

2016: No changes at Elementary, Middle, or High School levels.

2004: No net increase in capacity at Elementary level. No changes at Middle or High School levels.

2005: An increase in capacity of 100 at Hillsborough Elementary with the completion of renovations.

2006: An increase in capacity of 700 at the Middle School level with the completion of Gravelly Hill Middle School and an increase of 15 at the High School level with the temporary location of Partnership Academy Alternative School. An increase of 2 at the Elementary level due to a change in the capacity calculation for each grade at each school.

2007: No changes at Elementary, Middle, or High School levels.

2008: A decrease of 228 at the Elementary School level due to the implementation of the 1:21 class size ratio in grades K-3 and an increase of 25 at the High School level with the completion of the new Partnership Academy Alternative School.

2009: No changes at Elementary, Middle, or High School levels.

2010: No changes at Elementary, Middle, or High School levels.

2011: No changes at Elementary, Middle, or High School levels.

2012: No changes at Elementary or Middle School levels. A decrease of 119 at High School level as a result of a N.C. Department of Public Instruction (DPI) study.

2017: A decrease in capacity of 165 students due to the implementation of the 1:20 class size ratio in grades K-3.

2018: No changes at Elementary, Middle or High School levels.

2019: No changes at Elementary, Middle, or High School levels.

2020: Increase of 100 seats at the High School level due to renovations at Chapel Hill High School. No changes at Elementary or Middle School levels.

2021: No changes at Elementary, Middle, or High School levels.

2022: No changes at Elementary, Middle, or High School levels.

2023: No changes at Elementary, Middle, or High School levels.

2013: No changes at Elementary, Middle, or High School levels.

2014: No changes at Elementary, Middle, or High School levels.

2015: No changes at Elementary, Middle, or High School levels.

2016: No changes at Elementary, Middle, or High School levels.

2017: A decrease in capacity of 333 students due to the implementation of the 1:20 class size ratio in grades K-3.

2018: No changes at Elementary, Middle, or High School levels.

2019: No changes at Elementary, Middle, or High School levels.

2020: No changes at the Elementary, Middle, or High School levels.

2021: Increase of 500 seats at the High School level due to the Cedar Ridge High School addition. No changes at Elementary or Middle School levels.

2022: No changes at Elementary, Middle, or High School levels.

2023: No changes at Elementary, Middle, or High School levels.

4. Analysis of Existing Conditions:

Chapel Hill-Carrboro City School District

The Schools Facilities Task Force developed a system to calculate capacity. Any changes year to year will be monitored, reviewed, and

Analysis of Existing Conditions:

Orange County School District

The Schools Facilities Task Force developed a system to calculate capacity. Any changes year to year will be monitored, reviewed, and recorded by recorded by the SAPFOTAC on approved forms distributed to SAPFO partners and certified upon approval by the Board of County Commissioners each year. The requested 2023-2024 capacity is noted on Attachment I.B.4

5. Recommendation:

Chapel Hill-Carrboro City School District

Accept school capacities at all levels, as reported by CHCCS and shown in Attachment I.B.4.

the SAPFOTAC on approved forms distributed to SAPFO partners and certified upon approval by the Board of County Commissioners each year. The requested 2023-2024 capacity is noted on Attachment I.B.3

Recommendation:

Orange County School District

Accept school capacities at all levels, as reported by OCS and shown in Attachment I.B.3.

Attachment I.B.1Orange County School Capacity (Elementary, Middle, & High)

(2022-23)

(Page 1 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Orange County Schools

SAPFO CAPS Year: November 15, 2022 - November 14, 2023

Capacity and Membership Submittal Date: November 15, 2022

Elementary School	Square Feet	2018-2019 Requested Capacity	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	Justification Footnote#	Membership (referenced school year)	Percentage of Capacity/Level of Service
River Park	70,812	565	565	502	502	502		561	111.8%
Central	52,492	455	455	428	428	428		296	69.2%
Efland Cheeks	64,316	497	497	455	455	455		522	114.7%
Grady Brown	74,016	544	544	490	490	490	- 1	415	84.7%
Hillsborough	51,106	471	471	420	420	420		428	101.9%
New Hope	100,164	586	586	526	526	526		528	100.4%
Pathways	85,282	576	576	540	540	540		309	57.2%
Total	498,188	3,694	3,694	3,361	3,361	3,361		3,059	91.0%

Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

Justification	1:			

Capacity and Membership Certification:

Monigue Felder

Nov 23, 2022

Superintendent

Date

Januelt R. Besting

(2022-23)

(Page 2 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Orange County Schools	
SAPFO CAPS Year: November 15, 2022 - November 14, 2023	
Capacity and Membership Submittal Date: November 15, 2022	

Middle School	Square Feet	2018-2019 Requested Capacity	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
A.L. Stanback	136,000	740	740	740	740	740		644	87.0%
Orange Middle	107,620	726	726	726	726	726		524	72.2%
Gravelly Hill	123,000	700	700	700	700	700		430	61.4%
Total	366,620	2,166	2,166	2,166	2,166	2,166		1,598	73.8%

Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

-		Certification:

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MoniqueFe	dar (Nov	23,202	2 03:11 EST	1

Nov 23, 2022

Superintendent

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(2022-23)

(Page 3 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Orange County Schools

SAPFO CAPS Year: November 15, 2022 - November 14, 2023

Capacity and Membership Submittal Date: November 15, 2022

High School	Square Feet	2018-2019 Requested Capacity	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
Cedar Ridge	256,900	1,000	1,000	1,000	1,500	1,500	*	1,111	74.1%
Orange	213,509	1,399	1,399	1,399	1,399	1,399		1,342	95.9%
Partnership	6,600	40	40	40	40	40		34	85.0%
Total	477,009	2,439	2,439	2,439	2,939	2,939		2,487	84.6%

Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

Daniett R. Belfrif

Justification: 2021-22 addition to Cedar Ridge added 50,000 square feet and 500 seats.

Capacity	and	Membership	p Certification:
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Annique Felder (Nov 23, 2022 03:11 EST)

Nov 23, 2022

Superintendent Date

Januarth R. Boghif Date

(Page 1 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools

SAPFO CAPS Year: November 15, 2022 - November 14, 2023

Capacity and Membership Submittal Date: November 15, 2022

Elementary School	Square Feet	2018-2019 Requested Capacity	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
Carrboro	60,832	533	518	518	518	518		484	93.4%
Ephesus	66,952	448	436	436	436	436		355	81.4%
Estes Hills	56,299	527	516	516	516	516		332	64.3%
FP Graham	66,689	538	522	522	522	522		513	98.3%
Glenwood	50,764	423	412	412	412	412		430	104.4%
McDougle	98,000	564	548	548	548	548		474	86.5%
Morris Grove	90,221	585	568	568	568	568		427	75.2%
Northside	99,500	585	568	568	568	568		373	65.7%
Rashkis	95,729	585	568	568	568	568		421	74.1%
Scroggs	90,980	575	558	558	558	558		379	67.9%
Seawell	52,896	466	450	450	450	450		469	104.2%
Total	828,862	5,829	5,664	5,664	5,664	5,664		4,657	82.2%

Special Note(s): 1 For the November 15, 2002 base year the Board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

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Capacity and Membership Gertification:

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(2022-23) (Page 2 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District:	Chanal	Hill-Carrboro Cit	Schoole
SCHOOL DISTRICT.	Chapei	HIII-Call Dulo Cit	y ochoois

SAPFO CAPS Year: November 15, 2022 - November 14, 2023

Capacity and Membership Submittal Date: November 15, 2022

Middle School	Square Feet	2018-2019 Requested Capacity	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
Culbreth	122,467	774	774	774	774	774		658	85%
McDougle	136,221	732	732	732	732	732		756	103%
Phillips	109,498	706	706	706	706	706		614	87%
Smith	128,764	732	732	732	732	732		770	105%
Total	496,950	2,944	2,944	2,944	2,944	2,944		2,798	95.0%

Special Note(s): 1. For the November 15, 2002 base year the Board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

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Capacity and Membership Certification:

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(2022-23)

(Page 3 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools

SAPFO CAPS Year: November 15, 2022 - November 14, 2023

Capacity and Membership Submittal Date: November 15, 2022

High School	Square Feet	2018-2019 Requested Capacity	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
Carrboro	148,023	800	800	800	800	800		864	108%
Chapel Hill	241,111	1,520	1,520	1,620	1,620	1,620		1,601	99%
East Chapel Hill	259,869	1,515	1,515	1,515	1,515	1,515		1,446	95%
Phoenix Acad.	5,207	40	40	40	40	40		39	98%
Total	654,210	3,875	3,875	3,975	3,975	3,975		3,950	99,4%

Special Note(s): 1. For the November 15, 2002 has eyear the Board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

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Attachment I.B.3 Orange County School Capacity (Elementary, Middle, & High)

(2023-24)

(Page 1 of 3)

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Janet Beafred 11/4/23
BOCC Chair

Attachment 1

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 15, 2023 - November 14, 2024
Capacity and Membership Submittal Date: November 15, 2023

Elementary School	Square Feet	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	2023-2024 Requested Capacity	Justification Footnote#	Membership (referenced school year)	Percentage of Capacity/Level of Service
Central	52,492	455	428	428	428	428		291	68.0%
Efland Cheeks	64,316	497	455	455	455	455		526	115.6%
Grady Brown	74,016	544	490	490	490	490		406	82.9%
Hillsborough	51,106	471	420	420	420	420		437	104.0%
New Hope	100,164	Children Control of the Control of t	526	526	526	526		527	100.2%
Pathways	85,282	THE RESERVE OF THE PARTY OF THE	540		The second secon	540	5 - 5 - 1	312	57.8%
River Park	70,812	3334 324 324 336 336	502	\$100 DECEMBER OF THE PROPERTY	ADELEGISTATION CONTRACTOR	502		556	110.8%
Total	498,188	3,694	3,361	3,361	3,361	3,361	7-3-1-1	3,055	90.9%

Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

Justification:

Capacity and Membership Certification:

Superintendent Date

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Attachment I.B.3 Orange County School Capacity (Elementary, Middle, & High)

(2023-24)

(Page 2 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 15, 2023 - November 14, 2024
Capacity and Membership Submittal Date: November 15, 2023

Middle School	Square Feet	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	2023-2024 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
A.L. Stanback	136,000	740	740	740	740	740		633	85.5%
Orange Middle	107,620	726	726	726	726	726		535	73.7%
Gravelly Hill	123,000	700	700	700	700	700		411	58.7%
Total	366,620	2,166	2,166	2,166	2,166	2,166		1,579	72.9%

Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

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Superintendent Date

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Attachment I.B.3 Orange County School Capacity (Elementary, Middle, & High)

(2023-24)

(Page 3 of 3)

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Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 15, 2023 - November 14, 2024
Capacity and Membership Submittal Date: November 15, 2023

High School	Square Feet	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	2023-2024 Requested Capacity	Justification Footnote#	Membership (referenced school year)	Percentage of Capacity/Level of Service
Cedar Ridge	206,900	1,000	1,000	1,500	1,500	1,500		1,117	74.5%
Orange	213,509	1,399	1,399	1,399	1,399	1,399		1,222	87.3%
Partnership	6,600	40	40	40	40	40		43	107.5%
Total	427,009	2,439	2,439	2,939	2,939	2,939		2,382	81.0%

Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

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Attachment I.B.4 Chapel Hill-Carrboro City School Capacity (Elementary, Middle, & High)

(2023-24)

(Page 1 of 3)

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Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools
SAPFO CAPS Year: November 15, 2023 - November 14, 2024
Capacity and Membership Submittal Date: November 15, 2023

Elementary School	Square Feet	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	2023-2024 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
Carrboro	60,832	518	518	518	518	518		488	94.2%
Ephesus	66,952		436	436	436	436		355	81.4%
Estes Hills	56,299		516	516	516	516		339	65.7%
FP Graham	66,689	SHOUNDS AND SHOULD SEE	522			522		509	97.5%
Glenwood	50,764	ENGL/OSEDASSIPION	412	SCOULDED A SCORE OF STREET		412		411	99.8%
McDougle	98,000	DOMESTIC STOCKED STREET STATES	548			548		466	85.0%
Morris Grove	90,221	\$1,000,000 No. 800 MARS NO.	568	\$12YED \$5,000 CODA,6,000@	ATTENDED FOR THE PERSON AND ADDRESS AND AD			397	69.9%
Northside	99,500	\$ \$000 \$ \$000 \$ \$500 \$ \$000 \$	568		568	568		373	65.7%
Rashkis	95,729	C-12-7/12-7/12/12/13/13/13/14/14	568	AND STREET OF THE PARTY OF THE		568		425	74.8%
Scroggs	90,980	Library Co. A. L. San Married Co. P.	558	A STATE OF THE PARTY OF THE PAR	STREET, VILLE SHIPS AND THE STREET	558		382	68.5%
Seawell	52,896	CONTRACTOR STATE	450	THE RESERVE OF THE PARTY OF THE	PERSONAL PROPERTY STATE	SEA THAT HE SEARCH STREET		430	95.6%
Total	828,862		5,664	5,664	5,664	5,664		4,575	80.8%

Special Note(s): 1. For the November 15, 2002 base year the Board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

Justification:

Capacity and Membership Certification:

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Date

Bocc Chair Beafre 12/4/23

Attachment I.B.4 Chapel Hill-Carrboro City School Capacity (Elementary, Middle, & High)

(2023-24)

(Page 2 of 3)

Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and **Change Request Form**

School District: Chapel Hill-Carrboro City Schools SAPFO CAPS Year: November 15, 2023 - November 14, 2024 Capacity and Membership Submittal Date: November 15, 2023

Middle School	Square Feet	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	2023-2024 Requested Capacity	Justification Footnote #	Membership (referenced school year)	Percentage of Capacity/Level of Service
Culbreth	122,467	774	774	774	774	774		674	87%
McDougle	136,221	732	732	732	732	732		708	97%
Phillips	109,498	706	706	706	706	706		583	83%
Smith	128,764	732	732	732	732	732		751	103%
Total	496,950	2,944	2,944	2,944	2,944	2,944		2,716	92.3%

Special Note(s): 1. For the November 15, 2002 base year the Board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

Justification:

Capacity and Membership Certification:

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Attachment I.B.4 Chapel Hill-Carrboro City School Capacity (Elementary, Middle, & High)

(2023-24)

(Page 3 of 3)

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Schools Adequate Public Facilities Ordinance (SAPFO) Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools SAPFO CAPS Year: November 15, 2023 - November 14, 2024 Capacity and Membership Submittal Date: November 15, 2023

High School	Square Feet	2019-2020 Requested Capacity	2020-2021 Requested Capacity	2021-2022 Requested Capacity	2022-2023 Requested Capacity	2023-2024 Requested Capacity	Justification Footnote#	Membership (referenced school year)	Percentage of Capacity/Level of Service
Carrboro Chapel Hill East Chapel Hill Phoenix Acad.	148,023 241,111 259,869 5,207	1,520 1,515	800 1,520 1,515 40	1,620 1,515	1,620 1,515	800 1,620 1,515 40		885 1,642 1,412 35	101% 93%
Total	654,210	3,875	3,875	3,975	3,975	3,975		3,974	100.0%

Special Note(s): 1. For the November 15, 2002 base year the Board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC.

Justification:		
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C. Membership Date

- 1. Responsible Entity for Suggesting Change Change can be effectuated only by amendment to Memorandum of Understanding (MOU) by all SAPFO partners. The Planning Directors, School Representatives, and Technical Advisory Committee (SAPFOTAC) may advise if a change in date would improve the reporting or timeliness of the report.
- 2. *Definition* The date at which student membership is calculated. This date is updated each year and also serves as the basis for projections along with the history from previous years. "For purposes of this Memorandum, the term "school membership" means the actual number of students attending school as of November 15 of each year. The figure is determined by considering the number of students enrolled (i.e. registered, regardless of whether a student is no longer attending school) and making adjustments for withdrawals, dropouts, deaths, retentions and promotions. Students who are merely absent from class on the date membership is determined as a result of sickness or some other temporary reason are included in school membership figures. Each year the School District shall transmit its school membership to the parties to this agreement no later than five (5) school days after November 15.

3. Standard for: Standard for:

Chapel Hill-Carrboro City School District

November 15 of each year

November 15 of each year

4. Analysis of Existing Conditions:

This can be analyzed in the future years to determine if it is an exemplary date.

5. Recommendation: Recommendation:

Chapel Hill-Carrboro City School District

No change at this time.

Orange County School District

No change at this time.

II. Annual Update to Schools Adequate Public Facilities Ordinance **System**

A. Capital Investment Plan (CIP)

- 1. Responsible Entity for Suggesting Change The updating of this section will be conducted by the Board of County Commissioners (BOCC) after review of the CIP requests from the School Districts. Action regarding CIP programs usually occurs during the BOCC budget Public Hearing process in the winter and spring of each year. The development of the CIP considers the conditions noted in the SAPFOTAC report released in the same CIP development year including LOS (level of service), capacity, and membership projections.
- 2. Definition The process and resultant program to determine school needs and provide funding for new school facilities through a variety of funding mechanisms.
- 3. Standard for:

Standard for:

Chapel Hill-Carrboro City School District Orange County School District

Not Applicable

Not Applicable

4. Analysis of Existing Conditions:

The MOU outlines a system of implementing the SAPFO, including issuing Certificates of Adequate Public Schools (CAPS) to new development if capacity is available. The Requests for CAPS will be evaluated using the most recently adopted Capital Investment Plan. A new Capital Investment Plan is currently under development for approval prior to June 30, 2024.

5. Recommendation:

Not subject to staff review

B. Student Membership Projection Methodology

- Responsible Entity for Suggesting Change This section is reviewed and recommended by the Planning Directors, School Representatives, and Technical Advisory Committee (SAPFOTAC) to the BOCC for change, if necessary.
- 2. Definition The method(s) by which student memberships are calculated for future years to determine total membership at each combined school level (Elementary, Middle, and High School) which take into consideration historical membership totals at a specific time (November 15) in the school year. These methods are also known as 'models'.

3. Standard for:

Standard for:

Chapel Hill-Carrboro City School District Orange County School District

Presently, the average of five models is being used: namely 3, 5, and 10-year history/cohort survival methods, Orange County Planning Department Linear Wave, and Tischler Linear methods. Attachment II.B.1 includes a description of each model.

4. Analysis of Existing Conditions:

Performance of the models is monitored each year. The value of a projection model is in its prediction of school level capacities at least three years in advance of capacity shortfalls so the annual Capital Investment Plan (CIP) updates can respond proactively with siting, design, and construction. Attachment II.B.1 includes a description of each model. Attachment II.B.3 shows the performance of the models for the 2023-24 school year from the prior year projection.

5. Recommendation:

Analysis on the accuracy of the results is showing fairly accurate results, particularly for the average of all five models/ Orange County Schools has lower enrollment numbers than 10 years ago at all three school levels (Elementary, Middle, and High). Chapel Hill-Carrboro City Schools has lower enrollment numbers than 10 years ago at the Elementary and Middle levels while the High School level has experienced enrollment growth over the past 10 years. The historic growth rate is recorded by the models, but projected future growth is more difficult to accurately quantify. In all areas of the county, proposed growth is not included in the SAPFO projection system until actual students are enrolled. The system is updated in November of each year, becoming part of the historical projection base.

STUDENT MEMBERSHIP PROJECTIONS

PROJECTION TYPE	DESCRIPTION / CHARACTERISTICS	FORMULA	ASSUMPTIONS
Tischler Linear (OCS & CHCCS)	Mathematical formula; straight line projection	y=projected population; c=historical annual change; b=base year; x≔ projection years	Historical growth is reflected in projected growth
OCP Linear Wave (OCS)	Mathematical linear with percent variation among school levels; reflects progressing waves of membership	BYM + (BYI + 5(n)) = EYM	Base year growth reflects 10-year average; increase in BYI of 5 every other year reflects increases in housing growth; reflects buildout constraints
OCP Linear Wave (CHCCS)	Mathematical linear with percent variation among school levels; reflects progressing waves of membership	BYM+ (BYI-15(n)) = EYM EYM *%SL = EYM/SL BYM= base year 2nd month membership; BYI=year student membership increment base; EYM=ensuing year membership; n=projection year; %SL=% of total membership per school level (i.e. elementary, middle, high); EYM/SL=ensuing year member by school level	Base year growth reflects 10-year average; decrease in BYI of 15 until school year 2010-2011 reflects decreases in housing growth; reflects buildout constraints
3-Year Cohort (OCS & CHCCS)	Mathematical formula that computes the average advancement rate over the previous 3 years for each grade level and then uses each rate to calculate projected membership by school level; an assumed kindergarten membership is based on birth records and/or historical growth rates	K _n = k _{n-1} + (k _{n-1} * 0.01) n=1 a = (Σ G _n / g _{n-1}) / 3 n=3 b=g _{n-1} (a) K=kindergarten membership, n=given school year; G=given grade's membership(other than kindergarten); g= previous grade's membership advancement rate; b=projected membership	Assumes a 1% annual growth rate for the kindergarten grade level; assumes the same percentage of students in each grade level graduate to the next level each year
5 year Cohort (OCS & CHCCS)	Mathematical formula that computes the average advancement rate over the previous 5 years for each grade level and then uses each rate to calculate projected membership by school level; an assumed kindergarten membership is based on birth records and/or historical growth rates	K _n = k _{n·1} + (k _{n·1} * 0.01) n=1 a = (Σ G _n / g _{n·1}) / 5 n=5 b=g _{n·1} (a) K=kindergarten membership; n=given school year; G=given grade's membership(other than kindergarten); g= previous grade's membership; a=average advancement rate; b=projected membership; a=average	Assumes a 1% annual growth rate for the kindergarten grade level; assumes the same percentage of students in each grade level graduate to the next level each year
10 year Cohort (OCS & CHCCS)	Mathematical formula that computes the average advancement rate over the previous 10 years for each grade level and then uses each rate to calculate projected membership by school level; an assumed kindergarten membership is based on birth records and/or historical growth rates	K _n = k _{n·1} + (k _{n·1} * 0.01) n=1 a ={Σ G _n / g _{n·1} } / 10 n=10 b=g _{n·1} (a) K=kindergarten membership; n=given school year; G=given grade's membership(other than kindergarten); g= previous grade's membership; a=average advancement rate; b=projected membership	Assumes a 1% annual growth rate for the kindergarten grade level; assumes the same percentage of students in each grade level graduate to the next level each year

(Page 1 of 4)

Orange County School District School Membership 2022-2023 School Year (November 15, 2022)

OCTIOOT INC		22-2023 School	`	Tiliber 10, 2022)
	11/15/21 Actual 2021-22	2022 Report Projection for 2022-23	11/15/22 Actual 2022-23	Change between actual Nov 2021 - Nov 2022
Elementary	3023		3059	+ 36
,				
Model			Projection is	
Т		3012	L47	
OCP		3015	L44	
10C		2997	L62	
5C		2995	L64	
3C		2983	L76	
Average		3000	L59	
	44/45/04		4445100	
	11/15/21		11/15/22	
Middle	1656		1598	- 58
Model			Projection is	
T		1650	H52	
OCP		1652	H54	
10C		1613	H15	
5C		1598	0	
3C		1597	L1	
Average		1622	H24	
7110.ugo			1121	
	11/15/21		11/15/22	
High	2472		2487	+15
Model			Projection is	
Model				
Т		2/136		
T		2436	L51	
OCP		2469	L51 L18	
OCP 10C		2469 2526	L51 L18 H39	
OCP 10C 5C		2469 2526 2527	L51 L18 H39 H40	
OCP 10C 5C 3C		2469 2526 2527 2554	L51 L18 H39 H40 H67	
OCP 10C 5C		2469 2526 2527	L51 L18 H39 H40	
OCP 10C 5C 3C Average	11/15/21	2469 2526 2527 2554	L51 L18 H39 H40 H67 H21	
OCP 10C 5C 3C Average	11/15/21 3023	2469 2526 2527 2554	L51 L18 H39 H40 H67 H21	
OCP 10C 5C 3C Average Totals Elementary	3023	2469 2526 2527 2554	L51 L18 H39 H40 H67 H21 11/15/22 3059	
OCP 10C 5C 3C Average Totals Elementary Middle	3023 1656	2469 2526 2527 2554	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598	
OCP 10C 5C 3C Average Totals Elementary	3023	2469 2526 2527 2554	L51 L18 H39 H40 H67 H21 11/15/22 3059	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total	3023 1656 <u>2472</u>	2469 2526 2527 2554	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 <u>2487</u> 7144	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model	3023 1656 <u>2472</u>	2469 2526 2527 2554 2508	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 2487 7144 Projection is	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T	3023 1656 <u>2472</u>	2469 2526 2527 2554 2508 7098	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 2487 7144 Projection is L46	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP	3023 1656 <u>2472</u>	2469 2526 2527 2554 2508 7098 7136	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 2487 7144 Projection is L46 L8	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C	3023 1656 <u>2472</u>	2469 2526 2527 2554 2508 7098 7136 7136	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 2487 7144 Projection is L46 L8 L8	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C 5C	3023 1656 <u>2472</u>	2469 2526 2527 2554 2508 7098 7136 7136 7120	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 2487 7144 Projection is L46 L8 L8 L8 L24	-7
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C	3023 1656 <u>2472</u>	2469 2526 2527 2554 2508 7098 7136 7136	L51 L18 H39 H40 H67 H21 11/15/22 3059 1598 2487 7144 Projection is L46 L8 L8	-7

H means High

L means Low

(Page 2 of 4)

Orange County School District School Membership 2022-2023 School Year (November 15, 2022)

Statistical Findings

PROJECTION TYPE ABBF	REVIATIONS
'TISCHLER' LINEAR (T) ORANGE COUNTY PLANNING (OCP)	10-YEAR COHORT (10C) 5-YEAR COHORT (5C) 3-YEAR COHORT (3C)

Elementary School Level

- Projections were low, ranging from 44 students to 76 students below actual membership. On average, the projections were 59 students below actual membership.
- The membership actually increased by 36 students between November 15, 2021 and November 14, 2022.

Middle School Level

- Projections were mixed, ranging from 1 student below to 54 students above actual membership. On average, the projections were 24 students above actual membership.
- The membership actually decreased by 58 students between November 15, 2021 and November 14, 2022.

High School Level

- Projections were mixed, ranging from 51 students below to 67 students above actual membership. On average, the projections were 21 students above actual membership.
- The membership actually increased by 15 students between November 15, 2021 and November 14, 2022.

TOTAL

- The totals of all school level projections were all low, ranging from 8 to 46 students below actual membership. On average, the projections were 14 students below actual membership.
- The membership decreased in total by 7 students, which is the sum of +36 at Elementary, -58 at Middle, and +15 at High.

Chapel Hill-Carrboro City School District
School Membership 2022-2023 School Year (November 15, 2022)

School	Membership			vember 15, 2022)
	11/15/21 Actual 2021-22	2022 Report Projection for 2022-23	11/15/22 Actual 2022-23	Change between actual Nov 2021 - Nov 2022
Elementary	4738		4657	- 81
Model			Projection is	
Т		4710	H53	
OCP		4619	L38	
10C		4557	L100	
5C		4526	L131	
3C		4496	L161	
Average		4582	L75	
	11/15/21		11/15/22	
Middle	2802		2798	- 4
Model			Projection is	
Т		2786	L12	
OCP		2753	L45	
10C		2736	L62	
5C		2729	L69	
3C		2709	L89	
Average		2742	L56	
	11/15/21		11/15/22	
High	3940		3950	+ 10
Model				
T			Projection is	
Т		3917	L33	
OCP		3840	L33 L110	
OCP 10C		3840 3918	L33 L110 L32	
OCP 10C 5C		3840 3918 3940	L33 L110 L32 L10	
OCP 10C 5C 3C		3840 3918 3940 3924	L33 L110 L32 L10 L26	
OCP 10C 5C		3840 3918 3940	L33 L110 L32 L10	
OCP 10C 5C 3C Average		3840 3918 3940 3924	L33 L110 L32 L10 L26 L42	
OCP 10C 5C 3C Average	11/15/21	3840 3918 3940 3924	L33 L110 L32 L10 L26 L42	
OCP 10C 5C 3C Average Totals Elementary	4738	3840 3918 3940 3924	L33 L110 L32 L10 L26 L42 11/15/22 4657	
OCP 10C 5C 3C Average Totals Elementary Middle	4738 2802	3840 3918 3940 3924	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798	
OCP 10C 5C 3C Average Totals Elementary Middle High	4738 2802 <u>3940</u>	3840 3918 3940 3924	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950	
OCP 10C 5C 3C Average Totals Elementary Middle	4738 2802	3840 3918 3940 3924	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total	4738 2802 <u>3940</u>	3840 3918 3940 3924	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total	4738 2802 <u>3940</u>	3840 3918 3940 3924 3908	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405 Projection is	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T	4738 2802 <u>3940</u>	3840 3918 3940 3924 3908	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405 Projection is H8	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP	4738 2802 <u>3940</u>	3840 3918 3940 3924 3908 11,413 11,212	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405 Projection is H8 L193	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C	4738 2802 <u>3940</u>	3840 3918 3940 3924 3908 11,413 11,212 11,211	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405 Projection is H8 L193 L194	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C 5C	4738 2802 <u>3940</u>	3840 3918 3940 3924 3908 11,413 11,212 11,211 11,195	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405 Projection is H8 L193 L194 L210	- 75
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C	4738 2802 <u>3940</u>	3840 3918 3940 3924 3908 11,413 11,212 11,211	L33 L110 L32 L10 L26 L42 11/15/22 4657 2798 3950 11,405 Projection is H8 L193 L194	- 75

H means High

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Chapel Hill-Carrboro City School District School Membership 2022-2023 School Year (November 15, 2022)

Statistical Findings

PROJECTION TYPE ABBR	REVIATIONS
'TISCHLER' LINEAR (T) ORANGE COUNTY PLANNING (OCP)	10-YEAR COHORT (10C) 5-YEAR COHORT (5C) 3-YEAR COHORT (3C)

Elementary School Level

- Projections were mixed ranging from 161 students below to 53 students above actual membership. On average, the projections were 75 students below the actual membership.
- The actual membership decreased by 81 students between November 15, 2021 and November 14, 2022.

Middle School Level

- Projections were low, ranging from 12 students to 89 students above below membership. On average, the projections were 56 students below the actual membership.
- The actual membership decreased by 4 students between November 15, 2021 and November 14, 2022.

High School Level

- Projections were low, ranging from 10 students to 110 students below actual membership. On average, the projections were 42 students below actual membership.
- The actual membership increased by 10 students between November 15, 2021 and November 14, 2022.

TOTAL

- The totals of all school level projections were mixed, ranging from 276 students below to 8 students above actual membership. On average, the projections were 173 students below the actual membership.
- The membership decreased in total by 75 students, which is the sum of -81 at Elementary, -4 at Middle, and +10 at High.

Orange County School District

School Membership 2023-2024 School Year (November 15, 2023)

•			T T T T T T T T T T T T T T T T T T T
11/15/22 Actual 2022-23	2023 Report Projection for 2023-24	11/15/23 Actual 2023-24	Change between actual Nov 2021 - Nov 2022
3059		3055	- 4
			-
		Projection is	
	3038	L17	
		L15	
		H28	
	3063	Н8	
11/15/22		11/15/23	
1598		1579	-19
		Drojostion in	
	1507		
+			
+			
+			
	1588	пэ	
11/15/22		11/15/23	
2487		2382	-105
	0.470	•	
	2446	H64	
11/15/22		11/15/23	
1598		1579	
2487		2382	
7144		7016	-128
		Duningting in	
	7005	•	
	7103	H87 H88	
	7.111/1	HXX	İ
+			
	7103 7085	H87 H69	
	11/15/22 Actual 2022-23 3059 11/15/22 1598 11/15/22 2487 11/15/22 3059 1598 2487	11/15/22	Actual 2022-23 Projection for 2023-24 Actual 2023-24 3059 3055 Projection is 3059 3055 Projection is 3088 L17 3083 H28 3088 H33 3066 H11 3063 H8 Projection is 1598 1579 Projection is 1587 H8 1648 H69 1576 L3 1563 L16 1568 L11 1588 H9 Projection is 2487 2382 Projection is 2445 H63 2445 H63 2445 H69 2446 H64 11/15/22 11/15/23 3059 3055 1598 1579 2487 2382 7144 7016

H means High L means Low

(= 1.81 =

Orange County School District School Membership 2023-2024 School Year (November 15, 2023)

Statistical Findings

PROJECTION TYPE ABBR	REVIATIONS
'TISCHLER' LINEAR (T) ORANGE COUNTY PLANNING (OCP)	10-YEAR COHORT (10C) 5-YEAR COHORT (5C) 3-YEAR COHORT (3C)

Elementary School Level

- Projections were mixed, ranging from 17 students below to 33 students above actual membership. On average, the projections were 9 students above actual membership.
- The membership actually decreased by 4 students between November 15, 2022 and November 14, 2023.

Middle School Level

- Projections were mixed, ranging from 3 students below to 69 students above actual membership. On average, the projections were 9 students above actual membership.
- The membership actually decreased by 19 students between November 15, 2022 and November 14, 2023.

High School Level

- Projections were high, ranging from 33 students to 88 students above actual membership. On average, the projections were 64 students above actual membership.
- The membership actually decreased by 105 students between November 15, 2022 and November 14, 2023.

TOTAL

- The totals of all school level projections were all high, ranging from 69 to 88 students above actual membership. On average, the projections were 81 students above actual membership.
- The membership decreased in total by 128 students, which is the sum of -4 at Elementary, -19 at Middle, and -105 at High.

Chapel Hill-Carrboro City School District School Membership 2023-2024 School Year (November 15, 2023)

School				-
	11/15/22 Actual 2022-23	2023 Report Projection for 2023-24	11/15/23 Actual 2023-24	Change between actual Nov 2022 - Nov 2023
Elementary	4657		4575	- 82
Model			Projection is	
Т		4624	H49	
OCP		4588	H13	
10C		4582	H7	
5C		4561	L14	
3C		4550	L25	
Average		4581	H6	
	11/15/22		11/15/23	
Middle	2798		2716	- 82
Model			Projection is	
Т		2778	H62	
OCP		2742	H26	
10C		2685	L31	
5C		2683	L33	
3C		2660	L56	
Average		2710	L6	
	11/15/22		11/15/23	
High	3950		3974	+ 24
підіі	3930		3374	+ Z4
Model			Projection is	
Model			1 10 000 000 13	
lΤ		3022		
T OCP		3922 3860	L52	
OCP		3860	L52 L114	
OCP 10C		3860 3923	L52 L114 L51	
OCP 10C 5C		3860 3923 3938	L52 L114 L51 L36	
OCP 10C 5C 3C		3860 3923 3938 3925	L52 L114 L51 L36 L49	
OCP 10C 5C		3860 3923 3938	L52 L114 L51 L36	
OCP 10C 5C 3C Average	11/15/22	3860 3923 3938 3925	L52 L114 L51 L36 L49 L60	
OCP 10C 5C 3C Average	11/15/22 4657	3860 3923 3938 3925	L52 L114 L51 L36 L49 L60	
OCP 10C 5C 3C Average	11/15/22 4657 2798	3860 3923 3938 3925	L52 L114 L51 L36 L49 L60	
OCP 10C 5C 3C Average Totals Elementary Middle	4657 2798	3860 3923 3938 3925	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716	
OCP 10C 5C 3C Average Totals Elementary	4657	3860 3923 3938 3925	L52 L114 L51 L36 L49 L60 11/15/23	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total	4657 2798 <u>3950</u>	3860 3923 3938 3925	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total	4657 2798 <u>3950</u>	3860 3923 3938 3925 3914	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T	4657 2798 <u>3950</u>	3860 3923 3938 3925 3914	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265 Projection is H59	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP	4657 2798 <u>3950</u>	3860 3923 3938 3925 3914 11,324 11,190	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265 Projection is H59 L75	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C	4657 2798 <u>3950</u>	3860 3923 3938 3925 3914 11,324 11,190 11,190	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265 Projection is H59 L75 L75	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C 5C	4657 2798 <u>3950</u>	3860 3923 3938 3925 3914 11,324 11,190 11,190 11,182	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265 Projection is H59 L75 L75 L83	- 140
OCP 10C 5C 3C Average Totals Elementary Middle High Total Model T OCP 10C	4657 2798 <u>3950</u>	3860 3923 3938 3925 3914 11,324 11,190 11,190	L52 L114 L51 L36 L49 L60 11/15/23 4575 2716 3974 11,265 Projection is H59 L75 L75	- 140

H means High L means Low

Chapel Hill-Carrboro City School District School Membership 2023-2024 School Year (November 15, 2023)

Statistical Findings

PROJECTION TYPE ABBF	REVIATIONS
'TISCHLER' LINEAR (T) ORANGE COUNTY PLANNING (OCP)	10-YEAR COHORT (10C) 5-YEAR COHORT (5C) 3-YEAR COHORT (3C)

Elementary School Level

- Projections were mixed ranging from 25 students below to 49 students above actual membership. On average, the projections were 6 students above the actual membership.
- The actual membership decreased by 82 students between November 15, 2022 and November 14, 2023.

Middle School Level

- Projections were mixed, ranging from 56 students below to 62 students above actual membership. On average, the projections were 6 students below the actual membership.
- The actual membership decreased by 82 students between November 15, 2022 and November 14, 2023.

High School Level

- Projections were low, ranging from 36 students to 114 students below actual membership. On average, the projections were 60 students below actual membership.
- The actual membership increased by 24 students between November 15, 2022 and November 14, 2023.

TOTAL

- The totals of all school level projections were mixed, ranging from 130 students below to 59 students above actual membership. On average, the projections were 60 students below the actual membership.
- The membership decreased in total by 140 students, which is the sum of -82 at Elementary, -82 at Middle, and +24 at High.

C. Student Membership Projections

- 1. Responsible Entity for Suggesting Change The updating of this section will be conducted by the Planning Directors, School Representatives, and Technical Advisory Committee (SAPFOTAC) and referred to the BOCC for annual report certifications. Projections will be distributed to SAPFO partners for review and comments to the BOCC prior to certification.
- 2. Definition The result of the average of the five student projection models represented by 10 year numerical membership projections by school level (Elementary, Middle, and High) for each school district (Chapel Hill-Carrboro City School District and Orange County School District).

3. Standard for:

Chapel Hill-Carrboro City School District

The 5 model average discussed in Section II.B (Student Projection Methodology). See Attachment II.C.4

Standard for:

Orange County School District

The 5 model average discussed in Section II.B (Student Projection Methodology). See Attachment II.C.3

4. Analysis of Existing Conditions

The membership figures and percentage growth on the attachments show a decrease and negative growth rate for all three school levels for both districts in the 10-year projection period. Attachment II.C.3 and Attachment II.C.4 show year-by-year percent growth and projected level of service (LOS). The projection models were updated using current (November 15, 2023) memberships. Ten years of student membership were projected thereafter.

Chapel Hill-Carrboro City School District Elementary

The previous year (2022-23) projections for November 2023 at this level were overestimated by 6 students. The actual membership decreased by 82 students. Over the past ten years, this level has experienced a decrease in nine out of ten school years, including this year. Growth rates during the past ten years have ranged from -8.76% to +1.20%. The district's eleventh elementary school, Northside Elementary School, opened in 2013. Capacity was decreased in 2017-18 due to changes in class size averages for kindergarten to third grade by the North Carolina State Legislature. The need for an additional elementary school is not anticipated in the 10-year projection period.

Section II

Middle

The previous year (2022-23) projections for November 2023 for this level were underestimated by 6 students. The actual membership decreased by 82 students. Over the past ten years, this level has shown varying increases and decreases. Growth rates during this time period have ranged from -4.17% to +3.78%. Capacity was increased in 2014-15 with the opening of the Culbreth Middle School science wing. The need for an additional middle school is not anticipated in the 10-year projection period.

High School

The previous year (2022-23) projections for November 2023 for this level were underestimated by 60 students. The actual membership increased by 24 students. Over the past ten years, this level has shown varying increases and decreases. Growth rates during this time period have ranged from -0.90 to +4.39%. The need for additional high school capacity at Carrboro High School is not anticipated in the 10-year projection period.

Orange County School District

Elementary

The previous year (2022-23) projections for November 2023 at this level were overestimated by 9 students. Actual membership decreased by 4 students. Over the past ten years, this level experienced varying increases and decreases. Growth rates during this period have ranged from -5.72% to +1.81%. Capacity was decreased in 2017-18 due to changes in class size averages for kindergarten to third grade by the North Carolina State Legislature. The need for an additional Elementary School is not anticipated in the 10-year projection period.

Middle

The previous year (2022-23) projections for November 2023 for this level were overestimated by 9 students. The actual membership decreased by 19 students. Over the past ten years, this level has experienced varying increases and decreases. Growth rates during this period have ranged from -6.18% to +2.83%. The need for an additional Middle School is not anticipated in the 10-year projection period.

High School

The previous year (2022-23) projections for November 2023 for this level were overestimated by 64 students. The actual membership decreased by 105 students. Over the past ten years, this level has experienced varying increases and decreases. Growth rates during this period ranged from -4.22% to +3.35%. In 2012-13 capacity decreased by 119 at Orange High School as a

Section II

result of a N.C. Department of Public Instruction (DPI) study. The need for an additional high school is not anticipated in the 10-year projection period.

5. Recommendation:

Use statistics as noted in 3 above

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School Year	2012-13	2013-14	2014-15	2015-16	2016-17 2	2017-18 20	2018-19 2018	2019-20 2020-21	21 2021-22	22 2022-23	3 2023-24	2024-25	2025-26	2028-27	2027-28	2028-29	2023-30 2	2030-31 2031-32	132 2002-33	g
ACTUR	5,543	5,554	5541	-	5,567	5522	5,471	5,353	200	4,738	1887				İ	İ	l	ŀ	ŀ	
Tischler (2)											4,634	4,591	4,558	4,525	4,492	4,459	4.428	6,383 4,3	80 4,32	5
3C Planning											4,588	4,515	4450	4388	4338	4,294	1	+	01 4.16	9
0 Year Growth											4,582	4,490	4,394	4.371	4,407	4,451	+	+	4,63	2
Year Growth											4,561	4,452	4,337	4300	4,328	4,371	4,415	4,459 4,504	200	9
Year Growth											4,550	4.	4	4,270	4,303	4,346	4,380	7	d,	2
Wetage count Chance - Increase (Decrease) to Botton 2 Projected Membership	92	*	2	1077	55	(45)	1131	14001	1047	1221	4,581	4,495	4,410	4,370	4,374	4,384	4,394	4.411	4,426	4.430
Characteristics property of the Commission of th	2			2	3	1					L				,		,	L	L	2
apacity - 100% Level of Service (LOS)	5,244	6,029	5,829	5,829	5,829	5,684	5,664	5,064	5,654	5,664 5,	5,664 5,664	5,664	5,664	2,664	5,664	5,664	5,664	5,654	5,664 5,	6,664
umber of Students, Actual and Projected, Over (Under) 100% LOS	289	(275)	(288)	(328)	(282)	(142)	(198)	(301)	(771)	(17)	(1,007)	(1,169)	(1,254)	(1,294)	(1,280)	(1,280)	(1,270)	(1,253) ((1,238) (1,	225)
apacity - 106% Level of Service (LOS)	909'9	6,120	6,120	6,120	6,120	5,947	5,947	5,947 5	5,947 5,	5,947 5,3	5,947 5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947 5,	5,947
umber of Students Actual and Projected Over (Under) 105% LOS	16	(866)	16739	(819)	(553)	(425)					2901 (1.3%)	(1.452)		01577	(1574)	(1.663)	(1.563)	(1.630)	1,622)	808
chail - % Level of Service	105.7%	95.3%	85.1%	94.4%	96.5%	97.5%		8 / 8/26	85.4%	83.7% 82	82.2%				I	I	I			
grage - % Level of Service					ŀ		ı	ı	ı	ı	١		١	١	77.2%	77.4%	77.6%	1	1	3.4%
Annual Student Growth Rate (3)	1.45%	0.20%	.023%	40.72%	1.20%	.0.81%	.0.92%	-1.97% -8	.876% 3	3.17% -1.	4.71% 4.63%	1.87%		40.89%	0.08%	0.24%	0.22%	0.33%	0.33%, 0.	0.30%
			Benst	Bementary School #11 opens with SBS seats	28 WITH SES SHARE				Capacity daes size	y decrease due to le rabbs are 1.20 a	Occouty decrease due to charge in dass size ratios per House E dass size ratios are 1:20 as directed by State legislative action)	sze ratos per House Bill Zate legislative action)	II 13 (X-3 average							
CHANGE STATE CHANGE COLLECTOR AND OUT OF CHANGES ON CONTRACTOR AND AND AND AND AND AND AND AND AND AND														1						
Ordinator, it does not include OHCCS students scheding the Hospital School.																				
 The Topker Model oneviets for the "Linear Nethout" of proincipies for Noth CHCCS and CCS. Original prevaint in prior years proincible. 																				
2012-19																				
(4) Ches stars for grades HG + 1.23 for ad actives press 2000 Frough 2007-03. In economics with 2005 Salecd Colletion elem Wark Group dendlary, e	efective the 2008-2009 sub-	od year will the speni	ing of CHOCS Demerta.	ry#13,K3 dem sammer 128	23 and medial by part	Sale legistrine edit														
CHCCS Student Projections (1)																				
Madie	201013	*******	2001	Н	Н	ŀ	ŀ	H	ŀ	ŀ	2000	2000	2000	20,000	0004.00	000000	00 0000	***************************************	0000 00	F
School Year	2012-13	2013-14	2014-76	2016-16	2016-17	2000	gran grant	2000 2000 2	201702 202	277 2077-53	00	2024-20	20.00-20	47.50-51	2021:28	2028-29	1	-	-	3
Manual Company (A)	2,100	7,000	7,001	7,0991	7,023	7,000	7,833	3,044	7,817	7007	04.00	934.0	9359	0.740	9000	2630	9.000	200	000	Į,
Net (2)											2,778	2017	2,139	2,019	2,50%	2,6/9	7,659	+	200	Į,
- Maning											7667	4,074	7107	1007	1027	5057	242	6,430	2430	J
Ref Growth											2,685	2,593	2,535	2,508	2,394	2,275	2,280	2.5	2,28	2
Tear Growth											2,003	2,367	2,528	2,480	2,312	2,235	2,170	2,162	Z,Z,Z	e
er Growth											2,680	2	2	245	2,283	2,156	2,025	7		5
90e	90	40	ı	14.77	1300	•	100	,,,,	14000		2,710	2,631	2677	2,538	2,452	2.360	2,319	2,322	2,331 2.	2,338
innual Change - increase (Decrease) in Actual & Projected Membership)	32	2	ı		9	4	100							140	9	(35)	(41)			-
Capacity - 100% Level of Service	2,840	2,840	2,944	2354	2,944	2.944	2944				2,944			2,944	2,944	2944	2,944	2,944	2,944	2.944
Number of Students, Actual and Projected, Over (Under) 100% LOS	(26)	90		(00)	(116)	(111)	(11)	100			(146) (234	(313)		(406)	(492)	(284)	(929)	1		8
107% Level of Service	3,039	3039		3,160	3,150	3,150	3,150			3,160 3,	60		3,150	3,160	3,150	3,160	3,160	3,150	3,150 3,	3,150
lumber of Students, Actual and Projected, Over (Under) 107% LOS	(ZS4)	(181)	(288)	(306)	(321)	(317)	(Z17)	(106)	(233)		(362) (440)	1) (519)	(573)	(613)	(888)	(790)	(831)	(828)	(819)	(812)
8 - 7k LeVill of Selvice	VC.1%	100.0%	91.28	20.0%	20.1%	90.29	20.0%	103.4%			L	ı	ı	ı	20.00	80.08	75 88	ı	70.7%	3.48
Annual Bridge County Date (8)	1 1867	2628.0	7604.0	70 8067	7630	0 480	363%	3 709 L	4 1702	3000	7691 67 7697 0	70000	2000	A 6.4%	3 3267	3.78%	24.7.4%	0 1307	0.30%	0.3000
SET OLUMPIA SE OTHER NEW (9)	100	6.06.N	ı	N. 200.0	2000		Sec. Sec.	200	r	ı		ı	ı	ı	20.00	2.100	11.4.20	L	ı	46.3
									2000											
HELDER JOSTH GERTBOOK BOOLD'S GLE OF DREADON DE SIGNOSTIGN DE RESPONSON HELDER DIALING AND CONTROL OF A FED																				
(2) the tables include the time Tunes Nothering of properties for lath CHCC's and CCS's. Original properties of provinces properties																				
OHOOR Student Disjustions (4)																				
coo orangili riojecaolis (1)																				
High																				
School Year	2012-13	2013-14	2014-15	2015-16	2016-17 2	2017-18 20	2018-19 2019	2019-20 2020-21	21 2021-22	22 2022-23	3 2023-24	2024-25	2025-26	2025-27	2027-28	2028-29	2029-30 2030-31 2031-32 2032-33	330-31 203	132 2002	23
80	3,736	3,764	3,730	3,701	3,752	3.927	3,882	3,940	3,932	3,940	380	1000	9000	4 440	9 9 2 9	9.000	* 20.4	2 1 1 1 1	24.6	ş
National Columnia (Columnia Columnia Co											3,890	3.770	3,686	3,606	3,530	3,476	342	3.5 3.3 3.3 3.3	888	9
ear Growth											3,923	3,879	3,819	3,670	3,578	3,438	3,375	3,282 3,1	71 3,06	90
ar Growth											3,938	3,895	3,837	3,680	3,580	3,439	3,371	3,264 3,1	300	g
Fear Growth											3,925	3,6	3,7	3,588	3,471	3,355	3,222	2	70 2,84	2
nge .		I								ı	3,914	3,862	3,797	3,676	3,596	3,524	3,430	3,356	3,273 3,	197
ual Change - Increase [Decrease] In Actual & Projected Membership]	83	(25)	(69)	8	61	18	9			œ	10			(121)	(60)	(72)				9
Capacity - 100% Level of Service	3,876	3,875	3,876	3,976	3,876	3,875	3,876	3,976 3	3,976		3,976	3,976	3,976	3,976	3,976	3,976	3,976	3,976	3,976 3.	3.975
iber of Students, Actual and Projected, Over (Under) 100% LUS	60		g I	(1/4)	(212)	70	10		ł			ı		807	(3/3)	(40)	ı		(707)	0
IONS Level of Service	4,263	4,265	4,763	4,263	4,253	4,263	4,263		4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,010	2
IDER OF SALDERING, ACTUAL AND PROPERTIES, OVER (URBER) 110%-LUS	200 000	07.10	OF ME	700	07 16.	101 38	101 631		90.00	20 10	(429)	110	ferei f	(osco)	(111)	(000)	(Sec)	(010,1)	i mi	0
a - in Livra of Service	20.07	37.170	30.5%	20,078	37.12	101.020	ı	2017.8			20.66	20,150	*956	762 60	359.00	25 75	76 98	20 00	20 386 (8	3.43%
Annual Student Growth Rate (3)	227%	40.84%	%060-	*69.70	1.66%	4.39%	0.13%	0.20%	-0.20% 0:	0.20% 0.3	0.25% -0.92%	1.33%	-1.66%	3.19%	-2.19%	1.99%	-2.68%	-214%	-2.48% -2	-231%
											added to Dees for #	lr								
										2020-202	2020-2021 school year									
() is compared to the control of the Control of the	more interest and today	Ecreoldon Netrof	Method: Ex CHCC																	
TO COST Appeal MC COST came; as with maximum againment for COST region of 5 1100C came; as special maximum and as placed between COST regional for the cost of special maximum and special cost of the	100000																			

OCS Student Projections (1) (4)

ementary																			
School Year	2014-15	2015-16	2015-16 2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24 20	2024-25 20:	2025-26 202	2026-27 2027	2027-28 2028-29	2029-30	2030-31	2031-32	2032-33	2033-34
En	8578	3,318	3,293	3,183	3,205	3,232	3,047	3,023	3,059	3,055									
other (2)										60	3,032 3,	23	2,965 2,962	2,939	2,916	2,892	2,869	2,846	2,823
2 Planning										69	3,025 3,	3,079 3,0	3,046 3,030	900'8 0	3,000	3,008	2,992	2,979	2,988
Year Growth										2	387 2	2,925 2,	2,912 2,910	0 2,897	2,906	2,955	2,965	3,015	3,045
earGrowth										2	2,980 2,	2,926 2,	2,912 2,910	0 2,895	2,925	2,954	2,984	3,014	3,044
(ear Growth										00	3,020 2,	2,986 2.	2,967 3,019	3,008	3,006	3,088	3,097	3,128	3,159
eSeuse											3,011	2,986	2,970 2	2,964 2,9	2,960 2,961	51 2,975	2,985	2,996	3,012
inual Change - Increase (Decrease) in Actual & Projected Membership)	(\$21)	89	(92)	(0.10)	22	12	(185)	(24)	36	(4)	(48)	(92)	(15)	9	(16)	11 16	10	11	16
pacity - 100% Level of Service	3,684	3,694	3,694	3,361	3,361	3,361	3,361	3,351	3,361	3,361	3,361	3,351	3,361	3,351 3,3	3,361 3,3	3,361 3,361	3,361	3,361	3,361
mber of Students, Actual and Projected, Over (Under) 100% LOS	(929)	(376)	(401)	(178)	(156)	(128)	(314)	(338)	(302)	(306)	(360)	(376)	(381)	(397)	(411) (4	(366) (366)	(375)	(386)	(349)
5% Level of Service	3,879	3,879	3,879	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529 3,	3,529 3,5	3,529 3,5	3,529 3,529	3,529	3,529	3,529
amber of Students, Actual and Projected, Over (Under) 105% LOS	(620)	(561)	(886)	(346)	(324)	(287)	(482)	(909)	(470)	(474)	(518)	(544)	(669)	565) (5	80) (5	(568) (554)	(544)	(533)	(517)
- % Livrol of Service	967.88	969 58	89.1%	947.99	95.4%	98.2%	90.7%	96.5%	91.0%	86.05									
erage - % Level of Service											89.6%	88.8%	88.4%	88.2% 87.	87.8% 88	88.1% 88.5%	96.88	89.1%	89.6%
inual Student Growth Rate (3)	%.40'9-	1.81%	-0.75%	3,34%	0.69%	0.84%	6.72%	-0.79%	1.19%	-0.13%	1,44%	96880	-0.49% -0	-0.21% -0.5	-0.50% 0.3	0.38% 0.50%	0.34%	0.36%	0.62%
is apparate to note that the related to the Southern Co. (2) and of sensitivity of the Southern Southern Co. (2) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (3) and the Southern Co. (4) and the					Capacity dec	ease due to d	ange in dass	apacity decrease due to change in dass are rates per House fall 13 (K.	use Bill 13 (K3										

Middle

MIGGIE																		
School Year	2014-15	2015-16	2016-17	2017-18 2018-19		2019-20	2020-21	2021-22	2022-23	2023-24		2024-26 2025-26 2026-27	2006-27	82-8202 82-1202		2029-30	2030-31	2031-32
Actual	1,762	1,739	1,724	1,730	1,779	1,763	1,554	1,655	1,536	1,579								
Tischier (2)											1951	1,555	1,543	1,531	1,519	1,507	1,495	1,483
OC Planning											1,564	1,577	1,560	1,552	1,542	1,537	1,541	1,533
19 Year Growth										Ī	1221	1,600	1,622	1,570	1,534	1,508	1,490	1,462
5 Year Grawth											095'1	1,687	1,802	1,554	1,517	1,480	1,473	1,444
3 Year Growth											1,585	1,611	1,637	1604	1,585	1,583	1,580	1,562
Average											1,572	1,696	1,563	1,662	1,639	1,524	1,516	1,497
Annual Change - Incresse (Decresse) in Actual & Projected Membership)	15	(23)	(15)	9	67	(16)	(601)	2	(68)	(19)	(52)	14	1	(31)	(23)	(15)	(8)	(19)
Capacity - 100% Level of Service	2,166	2,186	2,196	2,166	2,166	2,166	2,165	2,156	2,166	2,166	2,166	2,166	2,168	2,156	2,166	2,166	2,166	2,166
Number of Students, Actual and Projected, Over (Under) 100% LOS	(404)	(427)	(442)	(436)	(387)	(403)	[512]	(610)	(568)	(587)	(594)	(690)	(573)	(604)	(627)	(642)	(980)	(669)
107% Level of Service	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318	2,318
Number of Students, Actual and Projected, Over (Under) 107% LOS	(999)	(679)	(694)	(888)	(833)	(999)	(564)	(662)	(720)	(739)	(745)	(731)	(726)	(755)	(877)	(193)	(805)	(821)
Actual - % Lovel of Service	81.3%	80.3%	79.8%	79.9%	82.1%	81.4%	78.4%	78.5%	73.8%	72.9%								
Average - % Level of Service											72.6%	73.2%	73.5%	72.1%	71.1%	70.4%	70.0%	69.1%
Annual Student Growth Rate (3)	%96'0	-1.31%	40.86%	0.35%	2.83%	%06'0	6.18%	0.12%	3.60%	-1.19%	0.42%	96880	0.43%	4.92%	447%	70 86%	76990	1.25%

() In internation of the state in the fact, injusting the state of the

OCS Student Projections (1)

riign																				
School Year	2014-15	2015-16 2016-17	71-910	2017-18 2019-20 2019-20	0019-30		2020-21	2021-22	2023-24	2023-24	2024-25	2025-26	2026-27	2027-28 2028-29	2028-29 2	2029-30	2030-31	2031-32	2032-33	2033-34
Actual	2,502	2,489	2,448	2,445	2,349	2397	2,381	2,472	2,487	2,382										
Tachler (2)											2,364	2,346	2,328	2,300	2,291	2,273	2,255	2,237	2,219	1,201
00 Plaming										Ī	2,359	2,186	2,162	2,152	2,137	2,130	2,138	2,124	2,115	2,122
10 Year Growth										Ī	2,383	2,317	2,234	2254	2,257	2,236	2,239	2,202	2,128	2,104
5 Year Growth										Ī	2,392	2,835	3,266	2,282	2,281	2,253	1,250	2,218	2,140	2,115
3 Year Growth											2388	2,349	2307	2354	2,373	2358	2377	2365	2320	2320
Average											2,377	2,306	2,259	2,270	2,268	2,250	2,251	2229	2,184	2,172
Annual Change - Increase (Decrease) in Actual & Projected Memberatip)	18	(00)	(23)	(μ)	(96)	48	(16)	16	15	(105)	(110)	(00)	(47)	11	(3)	(18)	-	(22)	(45)	(12
Capacity - 100% Level of Service	2,439	2,439	2,439	2,439	2,439	2,439	2,439	2,939	2,939	2,939	2,939	2,939	2,939	2,839	2,939	2,839	2,939	2,939	2,939	2,939
Number of Students, Actual and Projected, Over (Under) 100% LOS	63	30	7	9	(09)	(42)	(88)	(457)	(452)	(557)	(862)	(633)	(680)	(699)	(671)	(688)	(888)	(010)	(756)	(767
110% Level of Service	2,683	2,683	2,683	2,683	2,683	2,683	2,583	3,233	3,233	3,233	3,233	3233	3,233	3,233	3,233	3,233	3,233	3,233	3,233	3,233
Number of Students, Actual and Projected, Over (Under) 110% LOS	(181)	(214)	(237)	(238)	(334)	(386)	(305)	(181)	(746)	(851)	(998)	(926)	(974)	(863)	(966)	(983)	(361)	(1,004)	(1,049)	(1,061
Actual - % Level of Service	102.6%	101.2%	100.3%	100.2%	96.3%	98.3%	97.8%	84.1%	88.88	81.0%										
Average - % Lavel of Service											90.9%	78.5%	76.9%	77.2%	77.2%	75.6%	76.6%	75.8%	74.3%	73.9%
Annual Student Growth Rate (3)	3.36%	-1.32%	9280	9,50,0	3.93%	2.04%	973.0	3.82%	\$197	4.22%	-0.23%	-2.95%	-2.04%	0.48%	-0.11%	-0.77%	%90'0	-1.00%	-2.01%	-0.66%
									_											
This accorded to come that the conductor the transmission of accorded to the first the first on the same of the first the first of the					ĺ				Ī											

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Attachment II.C.4 – Chapel Hill-Carrboro Student Projections (Elementary, Middle, & High) (2023-24)

Windowship 119 129	No. 1981 No. 1981	Elementary School Year	_	2015-16	2016-17 2017-18		2018-19	2019-20	2020-21 2021-22			2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31 2031-32	2031-32 2	2032-33 2	2033-34
This continue with the continue within the continue with the continue with the continue with the con	Column C	Actual Tischler (2)	554	5.501	2,567	5.522	5,471	5,365	7 893	4,738	4,857	4.575	Н	Н		Н	Н	4,354	4,817	Н	Н	4,207
Part	Column C	QC Flaming											+	+	+	+	+	3,839	+	+	+	5,628
The control of the	1 1 1 1 1 1 1 1 1 1	10 Tear Growth 5 Year Growth										İ	+	+	+	+	5,910	3,949	+	+	000	4,110
March Marc	Column C	3 Year Growth											Н	Н	4,221	4,192	4,107	4,148	Н	4,231	: 273	4,318
Column C	Column C		(13)	(40)	88	(45)	(51)	(106)	(470)	(155)	(18)	(82)	4,436	4,291	1813	4,134	4,049	4,048	4,053	4,067	4,064	4,074
Notice that the control of the contr	Column C	Capacity - 100% Level of Senice (LOS)	6,829	6,829	6,829	5,664	5,664	5,664	5,664	5,684	6,664	5,664	5,664	5,664	5,664	5,664	5,654	5,664	5,664	6,664	5,664	5,864
The control of the	This control of the	Number of Students, Actual and Projected, Over (Under) 100% LOS	(288)	(328)	(292)	(142)	(193)	(301)	(771)	(828)	(1,007)	(1,089)	(1,228)	(1,373)	(1,473)	(1,530)	(1,815)	(1,616)	(1,611)	(1,607)	(1,600)	(1,590)
Marchine Marchine	Mathematical Continue Sept. Sept	Capacity - 105% Level of Senice (LOS)	6,120	6,120	6,120	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947	5,947
State Column Co	State Control of the control of	Number of Studerits, Actual and Projected, Over (Under) 105% LOS	(673)	(619)	(863)	(426)	(476)	(684)	(1,054)	(1,209)	(1,290)	(1,372)	(1,511)	(1,667)	(1,766)	(1,814)	(1,888)	(1,899)	(1,894)	(1,880)	(1,883)	(1,873)
Control Cont	Control Cont	Adulai - Millertei of Service Abustran - Millertei of Sarvice	36.7%	%7.76	95.5%	96 5%	96.5%	#1.3s	88 4%	83 Ja	82.2%	8C 9%	78 82 20 M	208 27	56U 7Z	73 106	95 12	71 505	71.2%	71.8%	71 705	71.9%
Participate for control to control to the control to co	The control of the co	Annual Student Growth Rate (3)	40.23%	40.72%	1.20%	-0.81%	.0.92%	-1.97%	-8.76%	3.17%	-1.71%	-1.76%	3.03%	-3.28%	2.32%	-1.38%	-2.05%	-0.02%	0.13%	0.10%	0.16%	0.25%
The control of the co	Material Supplication Mate	most increases where the most of the construction of the construction of the section of the construction o	and bolos CHCCS stusies in reprojector model roboletiva	Emding the Hestels Schi Linux Ede spoletion No.	od Anor tar CHOCS.		Capacity decrea	se due to changeir	cass spersitos bate legislative a:	per House 5III 13 500)	(K-3 average dass											
The control of the	Mathematical Control (1984) 2014	(3) American to the declaration of the rest 200 HB hough 2000 and experiment of these 200-2010-2004 (4) Consiste the present of 2010 to and even 200 hough 2000 (6) are seen 200 hough 2000 (6) and even 2000 (6) and even	2006-3005 school eer wit the	cering of CP-CCS Extra	fley #10 K.3 dess same	are 121 is diedelib	to See legistre at	6														
Mathematical Control 1974	Mathematical Control of Paris 2014 2015 2016 201	CHCS Student Projections (4)																				
Mathematical State	Section Sect																					
Machemen Machemen	Machine Mach	Middle											- 1-	H	ŀ	ŀ	H	ŀ				3
Mathematical Heavier and the control of the control	Machine Part	School Year	2014-15	2844	2.823	2 833	2.533	3.045	2317	2,802	2.798	2716	-	-	-	-	-	-		2031-52	7 25-33 7	15 CE
Ministry Ministry	Mathematical Continue Math	Tsther (2)		ı									2,634	2,672	2,650	2,629	2,607	2,585	2,533	2,541	5.519	2677
Mathematical Continue 1964	Mathematical Part Math	0C Harring											2,644	2,578	2,510	2,447	2,390	2,337	2,502	2,263	520	2,208
Marche March Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche Marche March Marche Marche March Marche Marche March March March March March	Machine State S	10 Year Growth E Visian Chromin											+	2589	2,559	2,431	2,384	2,234	2,153	2,022	2.043	2,063
Methodishing This and the control of	Markey 184 1844	S Year Growth											+	2,678	2,032	2,596	2,552	2,434	2,381	2,268	182	2,314
MYCLOS TO 1946 1244 1244 1244 1244 1244 1244 1244 12	Physics		or a	10.00					1000			1000	2,669	2,619	2,590	2,504	2,459	2,359	2,305	2,220	2,222	2,226
PACING TO THE NATIONAL STATES AND THE NATIONAL STATES	Marcia Signature Signatu	ase) in Actual & Projected	97	2000	0000	4 200	2000	100	1200	(all)	9	780	(671)	2000	2000	1900	(a)	200	900	(98)	7 7700	4
Particle	Principal (1964)	Valencity - 1000sucevel of service Number of Students Actual and Projected Over (Under) 100% I OS	## S	11001/	1311	1111	(11)	100	127	(142)	(146)	(228)	(275)	(325)	1987	(440)	(987)	5851	(630)	(7) All	C22)	7181
Participation of the property	Participation of the properties of the propertie	107% Level of Service	3,150	3,150	3,150	3,150	3,150	3,150	3,150	3.150	3,150	3,150	3,150	3,150	3,150	3,150	3,150	3,150	3,150	3,150	3.150	3,150
The control of the	Fig. Color	Number of Students, Actual and Projected, Over (Under) 107% LOS	(289)	(306)	(321)	(317)	(217)	(106)	(233)	(348)	(362)	(434)	(481)	(631)	(560)	(646)	(691)	(791)	(845)	(930)	(928)	(924)
Control Cont	Control Cont	Actual - Spiles of Service	97.2%	96.5%	95.1%	96.2%	99.5%	103.4%	96 1%	85.2%	95.0%	92.3%	7K 00	200 000	70/ 50	707.20	303 600	101-10	70.262	75.4%	76 500	75,800
	Figure 1 2014 (S. 2014) Control 10 Time value Cont	Annual Student Growth Rate (3)		40.59%	-0.53%	0.14%	3.53%	3.78%	4.17%	3.94%	-0.14%	2.93%	.1.72%	-1.86%	-1.10%	3.34%	-1.79%	4.04%	-2.23%	-3.69%	0.07%	0.16%
Control Cont	Controller and the protection of the protectio						ı															1
Control to the cont	State 2014 State	(f) the application of EX this release tests enter 15, 223 devolution tests as a clinical into the Second Angula Tulk. Fall its Ordenics. Local clinical transfer in the Angula Second Angula Secon		oftonel 104 news	eats at Outherfining	dde Schrol																
		(3) The Tather Work process to the Consentation of projection of COS and COS only the page control of the make take	uded fre Turen Edingo skips Me	dof ty CHCCS.																		
2014 6 20		(i) Area green resistant parameters in an extension 4.5 through 2004 and extension to pass 2004.5 through 2005 in																				
Signate Sign	2014-15 2015-1	CHCCS Student Projections (1)																				
This continue	This continue and the	High																				1
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The contribution of the	1,100 1,10	Actual Temperature (1)	3.730	3,701	3,762	3,927	3,932	3,940	3 332	3,940		3.974		L	L	₽	•	0.000	3.750		_	738 5
18 18 18 18 18 18 18 18	1 1 1 1 1 1 1 1 1 1	OC Flaming											╀	╀	+	+	+	╀	+	+	-	5,323
1	Mathematical Math	10 Year Growth											Н	Н	Н	Н	Н	Н	Н	Н	3 135	2,982
Marche M	Market Hamber	5 Year Growth											3,933	3,851	3,751	+	3,578	3,456	3,350	3,280	3 078	2,927
1	Market-trip) 1878	O Vest Grown											3,906	3 904	3,846	3.741	3,681	3,738	3631	3.476	3347	3.249
Marche 1975	1 1 1 1 1 1 1 1 1 1	nange - Increase (Decrease) in Actual & Projected	(99)	(29)	19	89	ıo	00	(8)	80	10	24	(24)	(23)	8	(64)	(09)	(79)	(1.1)	(66)	(129)	(78)
1.05 1.10	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		3,875	3,875	3,875	3,975	3,875	3,875	3,975	3,975	3,976	3,975	3,975	3,975	3,975	3,975	3,975	3,975	3,975	3,975	3,975	3,975
4.28 4.28	1,200 1,20	Number of Students, Actual and Projected, Over (Under) 100% LOS	(145)	(174)	(113)	92	57	8	(43)	(32)	(55)	(1)	(49)	(12)	(170)	(234)	(294)	(373)	(444)	(488)	(628)	(726)
			4263	4,263	4,263	4263	4,263	4,263	4,373		4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373	4,373
	STATE STAT		(633)	(562)	(501)	(336)	(334)	(323)	(441)		(423)	(389)	(446)	(469)	(292)	(632)	(692)	(771)	(842)	(887)	(1,026)	(1,123)
4300 4300	4300 4300	Autenge - 16 Leve of Service		90 c M	B 100	10. 35	0.00	B 11 (2)	20.00		0.1.20	100.00	98 88	98.2%	95 7%	%, 16	92.6%	969 08	88 88	87.4%	962.78	81.7%
he he some knywe hale fed has belance i econolinase Choos auces descriptive page Sowi	ing the Combinate half and the Orderns. I count this to COSS account of the State of Cossis. On the State of Cossis and C	Annual Student Growth Rate (3)		40.78%	1.65%	4.39%	0.13%	0.20%	-0.20%	0.20%	0.25%	0.61%	-1.20%	-0.55%	254%	-1.68%	-1.61%	-2.15%	-1.98%	-1.65%	3.72%	-2.90%
			and indust CHCCS startism	Ending the Hespits Schi	,				1	30 seats added to	OTHS or the 202	30-3021 school ye	, n						2			

D. Student Membership Growth Rate

- 1. Responsible Entity for Suggesting Change The updating of this section will be conducted by the Planning Directors, School Representatives, and Technical Advisory Committee (SAPFOTAC) each year and referred to the BOCC for annual report certification. Projections will be distributed to SAPFO partners for review and comments to the BOCC prior to certification.
- 2. **Definition** The annual percentage growth rate calculated from the projections resulting from the average of the five models represented by 10-year numerical membership projections by school level for each school district. This does not represent the year-byyear growth rate that may be positive or negative, but rather the average of the annual anticipated growth rates over the next 10 years.
- 3. Standard for:

Chapel Hill-Carrboro City School District

See Attachment II.D.2

4. Analysis of Existing Conditions:

Chapel Hill-Carrboro City School District

The membership figures and percentage growth on the attachments show a decline in student membership at each school level within the system. Projected Average Annual Growth Rate over next ten years:

Standard for:

Orange County School District

See Attachment II.D.2

Analysis of Existing Conditions:

Orange County School District

The membership figures and percentage growth on the attachments show a decline in student membership at each school level within the system. Projected Average Annual Growth Rate over next ten years:

School		Year I	Projection	Made	
Level	2019-	2020-	2021-	2022-	2023-
	2020	2021	2022	2023	2024
Elementary	0.65%	-0.23%	-0.88%	-0.47%	-1.14
Middle	-0.07%	-1.50%	-2.10%	-1.77%	-1.96
High	0.03%	-1.44%	-2.15%	-2.09%	-1.83

School		Year I	Projection	Made	
Level	2019-	2020-	2021-	2022-	2023-
Level	2020	2021	2022	2023	2024
Elementary	0.84%	-0.02%	-0.04%	0.26%	-0.14
Middle	0.37%	-0.67%	-0.72%	-0.15%	-0.44
High	0.21%	-0.98%	-1.06%	0.98%	-0.91

5. Recommendation:

Chapel Hill-Carrboro City School District Orange County School District

Use statistics as noted.

Recommendation:

Use statistics as noted.

Attachment II.D.1 – Orange County and Chapel Hill-Carrboro City Student Growth Rates (Chart dates from 2023-2033 based on 11/15/22 membership numbers) (2022-23)

		ō	Orange County Student Projections	ountv	Studer	nt Proje	ections			Ñ	2022-2023
Elementary)			•					
School Year	2022-2023 (actual)	2023-	2024-	2025-	2026- 2027	2027-	2028-	2029-	2030-	2031-	2032-
Membership	3,059	3,063	3,044	3,025	3,037	3,051	3,068	3,085	3,105	3,121	3,138
Average % Increase		0.13%	-0.64%	-0.60%	0.38%	0.48%	0.55%	0.57%	0.64%	0.52%	0.55%
Middle											
School Year	2022-2023 (actual)	2023-	2024-	2025-	2026- 2027	2027-	2028-	2029-	2030-	2031-	2032-
Membership	1,598	1,588	1,578	1,584	1,584	1,565	1,544	1,551	1,556	1,564	1,574
Average % Increase		-0.60%	-0.65%	0.38%	-0.02%	-1.20%	-1.33%	0.44%	0.31%	0.52%	0.64%
High School											
School Year	2022-2023	2023-	-502	2025-	-9202	2027-	-8202	-6202	2030-	2031-	2032-
ocilooi real	(actual)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Membership	2,487	2,446	2,420	2,352	2,291	2,299	2,293	2,278	2,287	2,268	2,254
Average % Increase		-1.63%	-1.08%	-2.79%	-2.62%	0.33%	-0.24%	-0.64%	0.38%	-0.84%	-0.62%
		Chap	Chapel Hill/Carrboro Student Projections	Carrbo	ro Stu	dent Pr	ojectio	ns			
Elementary		'					•				
School Year	2022-2023	2023-	2024-	2025-	2026-	2027-	2028-	2029-	2030-	2031-	2032-
	(actual)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Membership	4,657	4,581	4,495	4,410	4,370	4,374	4,384	4,394	4,411	4,426	4,439
Average % Increase		-1.63%	-1.87%	-1.90%	-0.89%	0.08%	0.24%	0.22%	0.39%	0.33%	0.30%
Middle											
School Year	2022-2023 (actual)	2023-	2024-	2025-	2026-	2027-	2028-	2029-	2030-	2031-	2032-
Membership	2,798	2,710	2,631	2,577	2,538	2,452	2,360	2,319	2,322	2,331	2,338
Average % Increase		-3.16%	-2.89%	-2.06%	-1.54%	-3.37%	-3.76%	-1.74%	0.13%	0.39%	0.32%
High School											
School Veer	2022-2023	2023-	2024-	2025-	-5026-	2027-	-8202	-6202	2030-	2031-	2032-
ocilooi real	(actual)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Membership	3,950	3,914	3,862	3,797	3,676	3,596	3,524	3,430	3,356	3,273	3,197
Average % Increase		-0.92%	-1.33%	-1.66%	-3.19%	-2.19%	-1.99%	-2.68%	-2.14%	-2.48%	-2.31%

		ō	Orange County Student Projections	ounty	Stude	nt Proje	ections			2	2023-2024
Elementary											
School Year	2023-2024 (actual)	2024-	2025- 2026	2026-	2027-	2028-	2029- 2030	2030-	2031- 2032	2032- 2033	2033-
Membership	3.055	3,011	2,985	2,970	2.964	2,950	2,961	2,975	2,985	2,996	3,012
Average % Increase	-0.13%	-1.44%	-0.85%	-0.49%	-0.21%	-0,50%	0.38%	0.50%	0.34%	0.36%	0.52%
Middle											
School Year	2023-2024 (actual)	2024-	2025- 2026	2026- 2027	2027-	2028-	2029-	2030-	2031- 2032	2032-	2033-
Membership	1,579	1,572	1,586	1,593	1,562	1,539	1,524	1,516	1,497	1,502	1,509
Average % Increase	-1.19%	-0.42%	0.88%	0.43%	-1.92%	-1.47%	-0.98%	-0.56%	-1.25%	0.34%	0.51%
High School											
School Vear	2023-2024	2024-	2025-	-9202	2027-	2028-	2029-	2030-	2031-	2032-	2033-
SCHOOL LCAI	(actual)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Membership	2,382	2,377	2,306	2,259	2,270	2,268	2,250	2,251	2,229	2,184	2,172
Average % Increase	-4.22%	-0.23%	-2.95%	-2.04%	0.48%	-0.11%	% 22'0-	0.06%	%00°1-	-2.01%	-0.55%
		Chap	Chapel Hill/Carrboro Student Projections	Carrbo	ro Stu	dent Pr	ojectio	SUS			
Elementary											
School Year	2023-2024	2024-	2025-	2026-	2027-	2028-	2029-	2030-	2031-	2032-	2033-
100100	(actual)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Membership	4,575	4,436	4,291	4,191	4,134	4,049	4,048	4,053	4,057	4,064	4,074
Average % Increase	-1.76%	-3.03%	-3.28%	-2.32%	-1.38%	-2.05%	-0.02%	0.13%	0.10%	0.16%	0.25%
Middle											
School Year	2023-2024 (actual)	2024-	2025-	2026-	2027-	2028-	2029-	2030-	2031-	2032-	2033-
Membership	2,716	2,669	2,619	2,590	2,504	2,459	2,359	2,305	2,220	2,222	2,226
Average % Increase	-2.93%	-1.72%	-1.88%	-1.10%	-3.34%	-1.79%	-4.04%	-2.29%	-3.69%	0.07%	0.18%
High School											
	2023-2024	2024-	2025-	2026-	2027-	2028-	2029-	2030-	2031-	2032-	2033-
School Year	(actual)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Membership	3,974	3,926	3,904	3,805	3,741	3,681	3,602	3,531	3,476	3,347	3,249
Average % Increase	0.61%	-1.20%	-0.55%	-2.54%	-1.69%	-1.61%	-2.15%	-1.98%	-1.55%	-3.72%	-2.90%

E. Student / Housing Generation Rate

- Responsible Entity for Suggesting Change The updating of this section will be conducted by Planning Directors, School Representatives, and Technical Advisory Committee (SAPFOTAC) and referred to the BOCC for certification.
 Projections will be distributed to SAPFO partners for review and comments to the BOCC prior to certification.
- 2. Definition Student generation rate refers to the number of public school students per housing unit constructed in each school district, as defined in the Student Generation Rate Study completed by TisherBise on October 28, 2014. Housing units include single-family detached, single family attached/duplex, multifamily, and manufactured homes.
- 3. Standard for:

Standard for:

Chapel Hill-Carrboro City School District
See Attachment II.E.1

Orange County School District

See Attachment II.E.1

4. Analysis of Existing Conditions:

At the January 2014 SAPFOTAC meeting, members discussed the increased number of students generated in both school districts from new development, particularly multifamily housing. The SAPFOTAC recommended further evaluation of the adopted Student Generation Rates and the impacts the number of bedrooms a particular housing type may have on student generation rates. As a result, Orange County entered into a contract with TischlerBise to update the student generation rate analysis. The new student generation rates were approved on May 19, 2015 and are shown in Attachment II.E.1. New rates from the 2014 Student Generation Rates for Orange County Schools and Chapel Hill-Carrboro School District Report are based on an inventory of recently built units from January 1, 2004 to December 31, 2013.

It should be noted that students are generated from new housing as well as from existing housing where new families have moved in. The CAPS system estimates new development impacts and associated student generation, but it is important to understand that student increases are a composite of both of these factors. This effect can be dramatic and can vary greatly between areas and districts where either new

Section II

housing is dominant or new families move into a large inventory of existing housing stock.

5. Recommendation:

No change at this time.

TischlerBise Student Generation Rates - 2014

	Chapel h	Chapel Hill/Carrboro Schools	slo	
	0-3 Bedrooms	4 Bedrooms	5+ Bedrooms	Weighted Average
Single-Family Detached	0.61	0.84	1.13	0.84
	0-2 Bedrooms	3+ Bedrooms		Weighted Average
Single-Family Attached	0.27	0.42		0.38
Multifamily/Other	0.11	0.47		0.18
Manufactured Home	0.268	0.86		0.78
	Weight Average	Weight Average for Chapel Hill/Carrboro School District	ooro School District	0.49

	Oranç	Orange County Schools		
	0-3 Bedrooms	4 Bedrooms	5+ Bedrooms	Weighted Average
Single-Family Detached	0.35	0.57	0.57	0.44
	0-2 Bedrooms	3+ Bedrooms		Weighted Average
Single-Family Attached	0.07	0.17		0.15
Multifamily/Other	0.08	0.67		0.17
Manufactured Home	0.67	0.47		0.52
	Weight Av	Weight Average for Orange County School District	unty School District	0.37

Source: Student Generation Rates for Orange County School District and Chapel Hill-Carrboro School District, TischlerBise, October 28, 2014 Revised May 7, 2015

III. Flowchart of Schools Adequate Public Facilities Ordinance Process

Abstract: The Schools Adequate Public Facilities Ordinance process has two distinct components:

A. Capital Investment Plan (CIP) (Process 1)

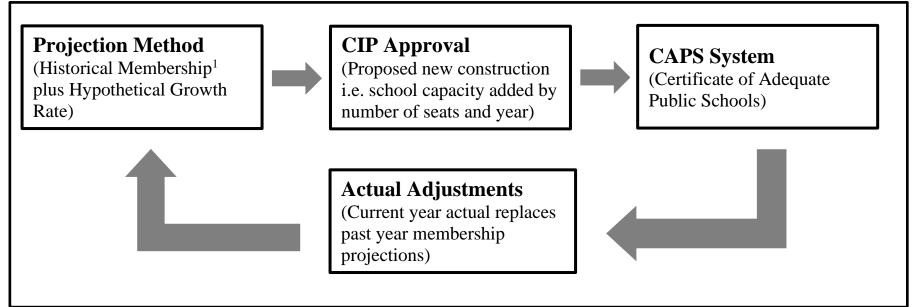
Timeframe: In November of each year, Student Membership and Building Capacity is transmitted from the school districts to the Orange County Board of Commissioners for consideration and approval and used in the following years CIP (e.g. November 15, 2023 membership numbers used to develop a CIP to be considered for adoption in June 2024).

Process Framework

- 1. SAPFOTAC projects future student membership from historical data, current membership and hypothetical growth rates from established methodologies.
- 2. School Districts and BOCC compare projections to existing capacity and proposed Capital Investment Plan.
- 3. SAPFOTAC forwards data and projections to all SAPFO partners.
- 4. School Districts develop Capital Investment Plan Needs Assessment during this process
- 5. The Capital Investment Plan work sessions and Public Hearings are conducted by the BOCC in the spring of each year.
- 6. The adoption of CIP that sets forth monies and timeframe for school construction (future capacity) by BOCC.

School Adequate Public Facilities Ordinance

Process 1 - Capital Investment Planning (CIP)



¹Historical Membership is a product of students generated from: (1) pre-existing/approved undeveloped lots where new housing is built, (2) existing housing stock with new families/children, and (3) newly approved housing development (in the future this component will be known as CAPS approved development).

²The only part of the CAPS System (i.e., computer spreadsheet subdivision tracking) that receives data from the Process 1 CIP includes the actual membership (November 15 of preceding CIP year) and new school capacity amount (seats) in a specific year pursuant to the CIP.

B. Schools Adequate Public Facilities Ordinance Certificate of Adequate Public Schools (CAPS) Update (Process 2)

Timeframe: The CAPS system is updated approximately November 15 of each year when the school districts report actual membership and 'pre-certified' capacity, whether it is CIP associated or prior 'joint action' agreement. 'Joint action' determinations of changes in capacity due to State rules or other non-construction related items are anticipated to be done prior to the November 15 capacity and membership reporting date. This update may reflect the Board of County Commissioners action on the earlier year Capital Investment Plan (CIP) as it affects capacity and addition of new actual fall membership. The Schools Adequate Public Facilities Ordinance Certificate of Adequate Public Schools (CAPS) stays in effect until the following year – (e.g.: November 15, 2005 to November 14, 2006).

New development is originally logged for a certain year. As the CAPS system is updated, each CAPS projection year is 'absorbed' by the actual estimate of a given year. Later year CAPS projections of the same development remain in the future year CAPS system accordingly. For example, if a 50-lot subdivision is issued a CAPS, 15 lots may be assigned to "Year 1," 10 lots to "Year 2," 10 lots to "Year 3," 10 lots to "Year 4," and 5 lots to "Year 5." When "Year 1" is updated, the students generated from the 15 lots are absorbed by the actual estimate. The students generated in "Years 2, 3, 4, and 5" are held in the CAPS system and added to the appropriate year when the CAPS system is updated.

The City of Mebane is not a party to the SAPFO and does not require that CAPS be issued prior to approving development activities. Increasing development within this area of the county has the potential to encumber a significant portion of the available capacity within the Orange County School District. Although the SAPFO system is not formally regulated in Mebane, staff monitors development activity and when students enter the school system, their enrollment is calculated and used in future school projection needs.

Please note that the two processes (CIP and CAPS) are on separate, but parallel tracks.

However, the CIP does create a crossover of capacity information between the two processes.

For example, the SAPFO system for both school districts that will be established / initiated /

certified each year in November and is based on prior year created and/or planned CIP capacity and current school year membership. The SAPFOTAC report including new current year membership and projections are to be used for upcoming CIP development as noted in Process 1.

CIP Process 1 (for CIP 2024 - 2034) November 2022 – June 2023 (using 2023 SAPFOTAC Report)

SAPFO CAPS Process 2 (for SAPFO System 2024 – 2025) November 2023 - November 2024

School Adequate Public Facilities Ordinance

Process 2 - Certificate of Adequate Public Schools (CAPS) Allocation

2024 CAPS system is effective November 15, 2023 through November 14, 2024.

The system is updated with new membership, CIP capacity changes, and any other BOCC/School District joint action approved capacity prior to November 15, 2023. This information is received within 5 days of November 15 and posted within the next 15 days. This CAPS system recalibration is retroactive to November 15, 2023.

CAPS Allocation System

- 1. Certified Capacity
- 2 LOS Capacity
- 3. Actual Membership
- 4. Year Start Available Capacity
- 5. Ongoing Current Available Capacity (includes available capacity decreases from approved CAPS development by year)
- 6. CAPS approved development
 - a. Total units
 - b. Single Family¹
 - c. Other Housing¹

CAPS System²

AC = SC - (ADM+ND1+ND2+...)

AC≥0 - Issue CAPS

AC<0 - Defer CAPS to later date

SC - Certified School Level Capacity

ADM – Average Daily Membership

ND – New Development; ND1 means first approved CAPS approved development

¹ Student Generation Rates from CAPS housing type create future membership estimate. Please note that this CAPS membership future <u>estimate</u> is different than the <u>projection</u> based on historical data and projection models used in the CIP process 1. This estimate only captures new development impact, which is the component that the SAPFO can regulate.

² AC – Available Capacity - Starts at Annual Update Capacity and reduces as CAPS approved development is entered into the system.