

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
2015

(BASED ON NOVEMBER 2014 DATA)

CERTIFIED BY THE BOCC ON MAY 19, 2015

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2015 SAPFOTAC Executive Summary

I. Base Memorandum of Understanding

A. Level of Service(No Change).....Pg. 1

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

B. Building Capacity and Membership(Change).....Pg. 2

	<i>Chapel Hill/Carrboro School District</i>			<i>Orange County School District</i>		
	Capacity	Membership	Increase from Prior Year	Capacity	Membership	Increase from Prior Year
<i>Elementary</i>	5829	5541	(13)	3694	3259	(174)
<i>Middle</i>	2944	2861	3	2166	1762	15
<i>High</i>	3875	3730	(34)	2439	2502	81

C. Membership Date – November 15.....(No Change).....Pg.17

II. Annual Update to SAPFO System

A. Capital Investment Plan (CIP)(No Change).....Pg. 18

B. Student Membership Projection Methodology(No Change).....Pg. 19 The average of 3, 5, and 10 year history/cohort survival, linear and arithmetic projection models.

C. Student Membership Projections(Change).....Pg. 30

Analysis of 5 Years of Projections for 2014-15 School Year – Chapel Hill/Carrboro City Schools

(The first column for each year includes the student membership projection made for 2014-2015 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.)

Year Projection Made for 2014-15 Membership											
	Actual 2014 Membership	2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
Elementary	5541	5772	H231	5672	H131	5784	H243	5676	H135	5635	H94
Middle	2861	3006	H145	2894	H33	2930	H69	2934	H73	2925	H64
High	3730	3867	H137	3846	H116	3863	H133	3866	H136	3805	H75

Analysis of 5 Years of Projections for 2014-15 School Year – Orange County Schools

(The first column for each year includes the student membership projection made for 2014-2015 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.)

		Year Projection Made for 2014-15 Membership									
	Actual 2014 Membership	2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
Elementary	3259	3408	H149	3519	H260	3546	H287	3479	H220	3472	H213
Middle	1762	1827	H65	1842	H80	1815	H53	1772	H10	1789	H27
High	2502	2400	L102	2349	L153	2347	L155	2366	L136	2406	L96

D. Student Growth Rate(Change).....Pg. 39

Projected Average Annual Growth Rate over Next 10 Years										
	<i>Chapel Hill/Carrboro School District</i>					<i>Orange County School District</i>				
Year Projection Made:	2010-11	2011-12	2012-13	2013-14	2014-15	2010-11	2011-12	2012-13	2013-14	2014-15
Elementary	1.44%	1.59%	1.18%	1.44%	1.11%	1.57%	1.6%	1.31%	1.30%	0.55%
Middle	1.67%	1.94%	1.59%	1.58%	1.15%	1.84%	2.01%	1.64%	1.42%	0.09%
High	1.57%	1.73%	1.60%	1.27%	1.22%	1.59%	1.61%	1.43%	1.35%	0.39%

E. Student / Housing Generation Rate(Change).....Pg. 42

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 95.1%).
- B. The projected growth rate at this level is expected to decrease over the next 10 years, but remain positive (average ~1.1% per year compared to 1.7% over the past 10 years).
- C. Chapel Hill/Carrboro Elementary School #12 will be needed in 2023-24. This is three years later than last year’s projections.

Middle School Level

- A. Does not currently exceed 107% LOS standard (current LOS is 97.2%).
- B. The projected growth rate at this level is expected to increase at a greater rate over the next 10 years than it has in the previous 10 years (average ~1.2% compared to an average of 0.91% over the past 10 years).
- C. Capacity has increased by 104 students due to the opening of the Culbreth Middle School addition. Projections show that Chapel Hill/Carrboro Middle School #5 is projected to be needed in 2023-24. This is three years later than last year’s projections

High School Level

- A. Does not currently exceed the 110% LOS standard (current LOS is 96.3%).
- B. The projected growth rate at this level is expected to decrease, but remain positive over the next 10 years (average ~1.22% compared to 1.24% over the past 10 years).
- C. Projections are not showing a need for an expansion of Carrboro High School from the initial capacity of 800 students to the ultimate capacity of 1,200 students in the 10 year projection period. This is different than last year's projections which showed a need in 2023-24.

ORANGE COUNTY SCHOOL DISTRICT

Elementary School Level

- A. Does not currently exceed 105% LOS standard (current LOS is 88.2%).
- B. The projected growth rate at this level is expected decrease, but remain positive over the next 10 years (average ~0.55% compared to 1.5% over the past 10 years).
- C. Projections are not showing a need for an additional Elementary School in the 10 year projection period. This is different than last year's projections which showed a need in 2023-24.

Middle School Level

- A. Does not currently exceed 107% LOS standard (current LOS is 81.3%).
- B. The projected growth rate at this level is expected to decrease, but remain positive over the next 10 years (average ~0.09% compared to 0.48% over the past 10 years).
- C. Similar to last year, 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 102.6%).
- B. The projected growth rate at this level is expected to decrease, but remain positive over the next 10 years (average ~0.39% compared to 2.6% over the past 10 years).
- C. Expansion of Cedar Ridge High School from the initial capacity of 1,000 students to 1,500 students is projected to be needed in 2022-23. This is the same as last year's projections.

Changes in CAPS (Certificate of Adequate Public Schools) System

As a result of a North Carolina Supreme Court ruling in August 2012, the local governments that are party to the SAPFO considered modification of their development regulations as they pertain to CAPS in 2013. However, at this time the local governments have not pursued revisions to existing standards contained within the CAPS system or SAPFO MOUs.

Orange County, NC School Adequate Public Facilities Ordinance

Introduction

The Schools Adequate Public Facilities Ordinance 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 (Schools APFO MOU)
SECTION 1d**

**RESPECTFULLY SUBMITTED
TO SCHOOLS ADEQUATE PUBLIC FACILITIES
ORDINANCE PARTNERS**

Chapel Hill/Carrboro School District School APFO	Orange County School District School APFO
Board of County Commissioners	Board of County Commissioners
Carrboro Board of Aldermen	Hillsborough Town Council
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
Mary Jane Nirdlinger, Planning and Sustainability Executive Director
405 Martin Luther King, Jr. Blvd.
Chapel Hill, North Carolina 27514

Town of Hillsborough
Margaret Hauth, Planning Director
P.O. Box 429
Hillsborough, NC 27278

Orange County Planning Department
Craig Benedict, Planning Director and
Ashley Moncado, Special Projects Planner and
Paul Laughton, Deputy Director of Finance and Administrative Services
131 W. Margaret Lane
P.O. Box 8181
Hillsborough, NC 27278

Orange County School District
Del Burns, Superintendent
200 E. King Street
Hillsborough, NC 27278

Chapel Hill-Carrboro School District
Todd LoFrese, Assistant Superintendent for Support Services and
Catherine Mau, Coordinator of Student Enrollment
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 School APFO 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. **Standard for:**

Standard for:

Chapel Hill/Carrboro School District

Orange County School District

Elementary	Middle	High School	Elementary	Middle	High School
105%	107%	110%	105%	107%	110%

4. **Analysis of Existing Conditions:**

Analysis of Existing Conditions:

Chapel Hill/Carrboro School District

Orange County School District

These standards are acceptable at this time.

These standards are acceptable at this time.

5. **Recommendation:**

Recommendation:

Chapel Hill/Carrboro 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 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.
2005: No changes at Elementary, Middle, or High

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.
2004: No net increase in capacity at Elementary

Section I

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.

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.

2013: No changes at Elementary, Middle, or High

4. Analysis of Existing Conditions:

Chapel Hill/Carrboro 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 the SAPFOTAC on approved forms distributed to SAPFO partners and certified upon approval by the Board of County Commissioners each year. The requested 2014-15 capacity is noted on Attachment I.B.4

5. Recommendation:

Chapel Hill/Carrboro School District

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

School levels.

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

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 the SAPFOTAC on approved forms distributed to SAPFO partners and certified upon approval by the Board of County Commissioners each year. The requested 2014-15 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.

School APFO Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 15, 2013 - November 14, 2014
Capacity and Membership Submittal Date: November 15, 2013

Elementary School	Square Feet	2009-2010 Requested Capacity	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	Justification Footnote #	Membership
Cameron Park	70,812	565	565	565	565	565		658
Central	52,492	455	455	455	455	455		354
Efland Cheeks	64,316	497	497	497	497	497		459
Grady Brown	74,016	544	544	544	544	544		456
Hillsborough	51,106	471	471	471	471	471		453
New Hope	100,164	586	586	586	586	586		636
Pathways	85,282	576	576	576	576	576		417
Total	498,188	3,694	3,694	3,694	3,694	3,694		3,433

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 Certification:

[Signature] 11/20/13
 Superintendent Date

[Signature] 12-3-13
 BOCC Chair Date

Membership Certification:

[Signature] 11/20/13
 Superintendent Date

[Signature] 12-3-13
 BOCC Chair Date

School APFO Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 15, 2013 - November 14, 2014
Capacity and Membership Submittal Date: November 15, 2013

Middle School	Square Feet	2009-2010 Requested Capacity	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	Justification Footnote #	Membership
A.L. Stanback	136,000	740	740	740	740	740		632
C.W. Stanford	107,620	726	726	726	726	726		639
Gravelly Hill	123,000	700	700	700	700	700		476
Total	366,620	2,166	2,166	2,166	2,166	2,166		1,747

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 Certification:

 11/20/13
 Superintendent Date

 12-3-13
 BOCC Chair Date

Membership Certification:

 11/20/13
 Superintendent Date

 12-3-13
 BOCC Chair Date

School APFO Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 15, 2013 - November 14, 2014
Capacity and Membership Submittal Date: November 15, 2013

High School	Square Feet	2009-2010 Requested Capacity	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	Justification Footnote #	Membership
Orange	213,509	1,518	1,518	1,518	1,399	1,399		1,270
Cedar Ridge	206,900	1,000	1,000	1,000	1,000	1,000		1,130
Partnership	6,600	40	40	40	40	40		21
Total	427,009	2,558	2,558	2,558	2,439	2,439		2,421

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. 2. The 2012-2013 capacity numbers for Orange High School (1,399) is based on a capacity analysis and facilities study completed by the Department of Public Instruction in August 2012.

Justification:

Capacity Certification:

Paul Martin 11/20/13
 Superintendent Date

[Signature] 12-3-13
 BOCC Chair Date

Membership Certification:

Paul Martin 11/20/13
 Superintendent Date

[Signature] 12-3-13
 BOCC Chair Date

School APFO Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools
SAPFO CAPS Year: November 15, 2013 - November 14, 2014
Capacity and Membership Submittal Date: November 15, 2013

Middle School	Square Feet	2009-2010 Requested Capacity	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	Justification Footnote #	Membership (referenced school year)
Culbreth	108,058	670	670	670	670	670		699
McDougle	136,221	732	732	732	732	732		705
Phillips	109,498	706	706	706	706	706		658
Smith	128,764	732	732	732	732	732		796
Total	482,541	2,840	2,840	2,840	2,840	2,840		2,858

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 Certification:


 Superintendent Date


 BOCC Chair Date 12-3-13

Membership Certification:


 Superintendent Date


 BOCC Chair Date 12-3-13

School APFO Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools
SAPFO CAPS Year: November 15, 2013 - November 14, 2014
Capacity and Membership Submittal Date: November 15, 2013

High School	Square Feet	2009-2010 Requested Capacity	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	Justification Footnote #	Membership (referenced school year)
Chapel Hill	241,111	1,520	1,520	1,520	1,520	1,520		1,423
East Chapel Hill	259,869	1,515	1,515	1,515	1,515	1,515		1,413
Carrboro	148,023	800	800	800	800	800		898
Phoenix Acad.	5,207	0	40	40	40	40		30
Total	654,210	3,835	3,875	3,875	3,875	3,875		3,764

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 Certification:


 Superintendent Date


 BOCC Chair Date 12-3-13

Membership Certification:


 Superintendent Date


 BOCC Chair Date 12-3-13

**Attachment I.B.3 Orange County School Capacity (Elementary, Middle, & High)
(2014-15)
(page 1 of 3)**

School APFO Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 14, 2014 - November 13, 2015
Capacity and Membership Submittal Date: November 14, 2014

Elementary School	Square Feet	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	2014-2015 Requested Capacity	Justification Footnote #	Membership
Cameron Park	70,812	565	565	565	565	565		591
Central	52,492	455	455	455	455	455		305
Efland Cheeks	64,316	497	497	497	497	497		426
Grady Brown	74,016	544	544	544	544	544		466
Hillsborough	51,106	471	471	471	471	471		457
New Hope	100,164	586	586	586	586	586		614
Pathways	85,282	576	576	576	576	576		400
Total	498,188	3,694	3,694	3,694	3,694	3,694		3,259

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. 2. Due to November 15th falling on a Saturday this year, membership and capacity numbers shall be provided for Friday, November 14, 2014.

Justification:

Capacity Certification:

[Signature] 11/14/14
 Superintendent Date

Earl M^cLee 12/9/14
 BOCC Chair Date

Membership Certification:

[Signature] 11/14/14
 Superintendent Date

Earl M^cLee 12/9/14
 BOCC Chair Date

**Attachment I.B.3 Orange County School Capacity (Elementary, Middle, & High)
(2014-15)
(page 2 of 3)**

School APFO Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 14, 2014 - November 13, 2015
Capacity and Membership Submittal Date: November 14, 2014

Middle School	Square Feet	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	2014-2015 Requested Capacity	Justification Footnote #	Membership
A.L. Stanback	136,000	740	740	740	740	740		614
C.W. Stanford	107,620	726	726	726	726	726		650
Gravelly Hill	123,000	700	700	700	700	700		498
Total	366,620	2,166	2,166	2,166	2,166	2,166		1,762

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. 2. Due to November 15th falling on a Saturday this year, membership and capacity numbers shall be provided for Friday, November 14, 2014.

Justification:

Capacity Certification:

[Signature] 12/12/14
Superintendent Date

Earl M. Kee 12/19/14
BOCC Chair Date

Membership Certification:

[Signature] 12/12/14
Superintendent Date

Earl M. Kee 12/19/14
BOCC Chair Date

School APFO Capacity, Membership and Change Request Form

School District: Orange County Schools
SAPFO CAPS Year: November 14, 2014 - November 13, 2015
Capacity and Membership Submittal Date: November 14, 2014

High School	Square Feet	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	2014-2015 Requested Capacity	Justification Footnote #	Membership
Orange	213,509	1,518	1,518	1,399	1,399	1,399		1,318
Cedar Ridge	206,900	1,000	1,000	1,000	1,000	1,000		1,154
Partnership	6,600	40	40	40	40	40		30
Total	427,009	2,558	2,558	2,439	2,439	2,439		2,502

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. 2. The 2012-2013 capacity numbers for Orange High School (1,399) is based on a capacity analysis and facilities study completed by the Department of Public Instruction in August 2012. 3. Due to November 15th falling on a Saturday this year, membership and capacity numbers shall be provided for Friday, November 14, 2014.

Justification:

Capacity Certification:

[Signature] 11/17/14
 Superintendent Date

Earl M. Kee 12/9/14
 BOCC Chair Date

Membership Certification:

[Signature] 11/17/14
 Superintendent Date

Earl M. Kee 12/9/14
 BOCC Chair Date

**Attachment I.B.4 Chapel Hill/Carrboro School Capacity (Elementary, Middle, & High)
(2014-15)
(page 1 of 3)**

School APFO Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools
SAPFO CAPS Year: November 14, 2014 - November 13, 2015
Capacity and Membership Submittal Date: November 14, 2014

Elementary School	Square Feet	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	2014-2015 Requested Capacity	Justification Footnote #	Membership (referenced school year)
Carrboro	60,832	533	533	533	533	533		500
Ephesus	66,952	448	448	448	448	448		431
Estes Hills	56,299	527	527	527	527	527		480
FP Graham	66,689	538	538	538	538	538		496
Glenwood	50,764	423	423	423	423	423		483
McDougle	98,000	564	564	564	564	564		478
Morris Grove	90,221	585	585	585	585	585		550
Northside	99,500	0	0	0	585	585		520
Rashkis	95,729	585	585	585	585	585		526
Scroggs	90,980	575	575	575	575	575		554
Seawell	52,896	466	466	466	466	466		523
Total	828,862	5,244	5,244	5,244	5,829	5,829		5,541

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. 2. Due to November 15th falling on a Saturday this year, membership and capacity numbers shall be provided for Friday, November 14, 2014.

Justification:

Capacity Certification:

Thomas A. Fomch 11/20/14
Superintendent Date

Earl M. Kee 12/9/14
BOCC Chair Date

Membership Certification:

Thomas A. Fomch 11/20/14
Superintendent Date

Earl M. Kee 12/9/14
BOCC Chair Date

School APFO Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools
SAPFO CAPS Year: November 14, 2014 - November 14, 2015
Capacity and Membership Submittal Date: November 14, 2014

Middle School	Square Feet	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	2014-2015 Requested Capacity	Justification Footnote #	Membership (referenced school year)
Culbreth	122,467	670	670	670	670	774	Science wing addition	686
McDougle	136,221	732	732	732	732	732		721
Phillips	109,498	706	706	706	706	706		625
Smith	128,764	732	732	732	732	732		829
Total	496,950	2,840	2,840	2,840	2,840	2,944		2,861

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. 2. Due to November 15th falling on a Saturday this year, membership and capacity numbers shall be provided from Friday, November 14, 2014.

Justification:

Capacity Certification:

Miss A. [Signature] 12/11/14
 Superintendent Date

Earl M. [Signature] 12/9/14
 BOCC Chair Date

Membership Certification:

Miss A. [Signature] 12/11/14
 Superintendent Date

Earl M. [Signature] 12/9/14
 BOCC Chair Date

School APFO Capacity, Membership and Change Request Form

School District: Chapel Hill-Carrboro City Schools
SAPFO CAPS Year: November 14, 2014 - November 13, 2015
Capacity and Membership Submittal Date: November 14, 2014

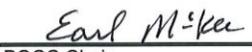
High School	Square Feet	2010-2011 Requested Capacity	2011-2012 Requested Capacity	2012-2013 Requested Capacity	2013-2014 Requested Capacity	2014-2015 Requested Capacity	Justification Footnote #	Membership (referenced school year)
Carrboro	148,023	800	800	800	800	800		833
Chapel Hill	241,111	1,520	1,520	1,520	1,520	1,520		1,454
East Chapel Hill	259,869	1,515	1,515	1,515	1,515	1,515		1,410
Phoenix Acad.	5,207	40	40	40	40	40		33
Total	654,210	3,875	3,875	3,875	3,875	3,875		3,730

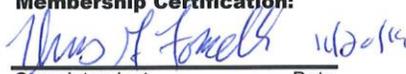
Special Note(s): 1. For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1) the School CIP or (2) an amended version of this form that is certified by the BOCC. 2. Due to November 15th falling on a Saturday this year, membership and capacity numbers shall be provided for Friday, November 14, 2014.

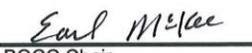
Justification:

Capacity Certification:

 Superintendent Date

 12/9/14
 BOCC Chair Date

Membership Certification:

 Superintendent Date

 12/9/14
 BOCC Chair Date

C. Membership Date

1. **Responsible Entity for Suggesting Change** – Change can be effectuated only by amendment to Memorandum of Understanding (MOU) by all School APFO 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:**

Chapel Hill/Carrboro School District	Orange County School District
November 15	November 15
of each year	of each year
4. **Analysis of Existing Conditions:**

This will be analyzed in the future years to determine if it is an exemplary date.
5. **Recommendation:**

Chapel Hill/Carrboro School District	Orange County School District
No change at this time.	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:**

Chapel Hill/Carrboro 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, 2015.
5. **Recommendation:**

Not subject to staff review.

B. Student Membership Projection Methodology

1. **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:**

Chapel Hill/Carrboro School District	Standard for: Orange County School District
Presently, the <u>average of five models</u> 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 2014-15 school year from the prior year projection.
5. **Recommendation:**

More than ten years of projection results are now available. Analysis on the accuracy of the results is showing that some models have better results in one district while others have better results in the other district. 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 begin enrollment. The system is updated in November of each year, becoming part of the historical projection base. This is especially pertinent in the Orange County School District which serves students living within the Orange County portion of the City of Mebane which have had little historic enrollment

Section II

impact. The significant proposed residential growth occurring within Mebane's jurisdiction has yet to be fully entered into the historically based projection methods. Although construction activity in this portion of the county has slowed, there are still a substantial number of approved, but undeveloped residential lots.

Attachment II.B.I Student Membership Projection Descriptions

STUDENT MEMBERSHIP PROJECTIONS

PROJECTION TYPE	DESCRIPTION / CHARACTERISTICS	FORMULA	ASSUMPTIONS
Tischler Linear (OCS & CHCCS)	Mathematical formula; straight line projection	$y = ((c * b)^x) + b$ 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	$BYM + (BYI + 5(n)) = EYM$ $EYM * \%SL = EYM/SL$ 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; 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 $a = (\sum G_n / g_{n-1}) / 3$ 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; 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
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 $a = (\sum G_n / g_{n-1}) / 5$ 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	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 $a = (\sum G_n / g_{n-1}) / 10$ 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

**Orange County School District
School Membership 2013-14 School Year (November 15, 2013)**

	11/15/12 Actual 2012-13	2013 Report Projection for 2013-14	11/15/13 Actual 2013-14	Change between actual Nov 2012 - Nov 2013
Elementary	3403		3433	+30
<u>Model</u>			<u>Projection is</u>	
T		3460	H27	
OCP		3462	H29	
10C		3416	L17	
5C		3415	L18	
3C		3411	L22	
AVG		3433	Equal	
11/15/2013				
Middle	1684		1747	+63
<u>Model</u>			<u>Projection is</u>	
T		1712	L35	
OCP		1709	L38	
10C		1750	H3	
5C		1755	H8	
3C		1740	L7	
AVG		1733	L14	
11/15/2013				
High	2315		2421	+106
<u>Model</u>			<u>Projection is</u>	
T		2354	L67	
OCP		2356	L65	
10C		2334	L87	
5C		2362	L59	
3C		2367	L54	
AVG		2355	L66	
11/15/2013				
Totals				
Elementary	3403		3433	
Middle	1684		1747	
High	2315		2421	
	7402		7601	+199
<u>Model</u>			<u>Projection is</u>	
T		7526	L75	
OCP		7527	L74	
10C		7500	L101	
5C		7532	L69	
3C		7518	L83	
AVG		7521	L80	

H means High
L means Low

**Orange County School District
School Membership 2013-2014 School Year (November 15, 2013)**

Statistical Findings

<i>PROJECTION TYPE ABBREVIATIONS</i>	
'TISCHLER' LINEAR (T)	10-YEAR COHORT (10C)
ORANGE COUNTY PLANNING (OCP)	5-YEAR COHORT (5C)
	3-YEAR COHORT (3C)

Elementary School Level

- Projections were mixed low and high, ranging from 22 students low to 29 students high. The average of the projections equaled actual student membership.
- The membership actually increased by 30 students between November 15, 2012 and November 15, 2013.

Middle School Level

- Projections were mixed low and high, ranging from 38 students low to 8 students high. On average, the projections were 14 students lower than the actual membership.
- The membership actually increased by 63 students between November 15, 2012 and November 15, 2013.

High School Level

- Projections were all low ranging from 54 students to 87 students low. On average, the projections were 66 students lower than the actual membership.
- The membership actually increased by 106 students between November 15, 2012 and November 15, 2013.

TOTAL

- The totals of all school level projections were low, ranging from 69 to 101 below actual membership. On average, the projections were low by 80 students.
- The membership increased in total by 199 students, which is the sum of +30 at Elementary, +63 at Middle, and +106 at High.

**Chapel Hill/Carrboro School District
School Membership 2013-2014 School Year (November 15, 2013)**

	11/15/12 Actual 2012-13	2013 Report Projection for 2013-14	11/15/13 Actual 2013-14	Change between actual Nov 2012- Nov 2013
Elementary	5543		5554	+11
<u>Model</u>			<u>Projection is</u>	
T		5643	H89	
OCP		5643	H89	
10C		5603	H49	
5C		5583	H29	
3C		5589	H35	
AVG		5612	H58	
11/15/2013				
Middle	2785		2858	+73
<u>Model</u>			<u>Projection is</u>	
T		2835	L23	
OCP		2840	L18	
10C		2888	H30	
5C		2873	H15	
3C		2872	H14	
AVG		2862	H4	
11/15/2013				
High	3796		3764	-32
<u>Model</u>			<u>Projection is</u>	
T		3864	H100	
OCP		3890	H126	
10C		3794	H30	
5C		3782	H18	
3C		3810	H46	
AVG		3828	H64	
11/15/2013				
Totals			11/15/2013	
Elementary	5543		5554	
Middle	2785		2858	
High	3796		3764	
	12,124		12,176	+52
<u>Model</u>			<u>Projection is</u>	
T		12,342	H166	
OCP		12,373	H197	
10C		12,285	H109	
5C		12,238	H62	
3C		12,271	H95	
AVG		12,302	H126	

H means High
L means Low

**Chapel Hill/Carrboro School District
 School Membership 2013-2014 School Year (November 15, 2013)**

Statistical Findings

<i>PROJECTION TYPE ABBREVIATIONS</i>	
'TISCHLER' LINEAR (T)	10-YEAR COHORT (10C)
ORANGE COUNTY PLANNING (OCP)	5-YEAR COHORT (5C)
	3-YEAR COHORT (3C)

Elementary School Level

- Projections were all high, ranging from 29 students to 89 students high. On average, the projections were 58 students higher than the actual membership.
- The actual membership increased by 11 students between November 15, 2012 and November 15, 2013.

Middle School Level

- Projections were mixed low and high, ranging from 23 students low to 30 students high. On average, the projections were 4 students higher than the actual membership.
- The actual membership increased by 73 students between November 15, 2012 and November 15, 2013.

High School Level

- Projections were all high, ranging from 18 students to 126 students high. On average, the projections were 64 students higher than the actual membership.
- The actual membership decreased by 32 students between November 15, 2012 and November 15, 2013.

TOTAL

- The total of all school level projections were all high, ranging from 62 students to 197 students above actual membership. On average, the projections were high by 126 students.
- The membership increased in total by 52 students, which is the sum of +11 at Elementary, +73 at Middle, and -32 at High.

**Orange County School District
School Membership 2014-15 School Year (November 14, 2014)**

	11/15/13 Actual 2013-14	2014 Report Projection for 2014-15	11/14/14 Actual 2014-15	Change between actual Nov 2013 - Nov 2014
Elementary	3433		3259	-174
<u>Model</u>			<u>Projection is</u>	
T		3493	H234	
OCP		3492	H233	
10C		3457	H198	
5C		3471	H212	
3C		3488	H229	
AVG		3472	H213	
			<u>11/14/2014</u>	
Middle	1747		1762	+15
<u>Model</u>			<u>Projection is</u>	
T		1778	H16	
OCP		1777	H15	
10C		1796	H34	
5C		1799	H37	
3C		1793	H31	
AVG		1789	H27	
			<u>11/14/2014</u>	
High	2421		2502	+81
<u>Model</u>			<u>Projection is</u>	
T		2463	L39	
OCP		2434	L68	
10C		2404	L98	
5C		2436	L66	
3C		2294	L208	
AVG		2406	L96	
Totals			<u>11/14/2014</u>	
Elementary	3433		3259	
Middle	1747		1762	
High	2421		2502	
	7601		7523	-78
<u>Model</u>			<u>Projection is</u>	
T		7734	H211	
OCP		7703	H180	
10C		7657	H134	
5C		7706	H183	
3C		7575	H52	
AVG		7667	H144	

H means High
L means Low

**Orange County School District
 School Membership 2014-2015 School Year (November 14, 2014)**

Statistical Findings

<i>PROJECTION TYPE ABBREVIATIONS</i>	
'TISCHLER' LINEAR (T)	10-YEAR COHORT (10C)
ORANGE COUNTY PLANNING (OCP)	5-YEAR COHORT (5C)
	3-YEAR COHORT (3C)

Elementary School Level

- Projections were all high ranging from 198 students to 234 students high. On average, the projections were 213 students higher than actual membership.
- The membership actually decreased by 174 students between November 15, 2013 and November 14, 2014.

Middle School Level

- Projections were all high, ranging from 15 students to 37 students high. On average, the projections were 27 students higher than the actual membership.
- The membership actually increased by 15 students between November 15, 2013 and November 14, 2014.

High School Level

- Projections were all low ranging from 39 students to 208 students low. On average, the projections were 96 students lower than the actual membership.
- The membership actually increased by 81 students between November 15, 2013 and November 14, 2014.

TOTAL

- The totals of all school level projections were high, ranging from 52 to 211 above actual membership. On average, the projections were high by 144 students.
- The membership decreased in total by 78 students, which is the sum of -174 at Elementary, +15 at Middle, and +81 at High.

Section II

**Chapel Hill/Carrboro School District
 School Membership 2014-15 School Year (November 14, 2014)**

	11/15/13 Actual 2013-14	2014 Report Projection for 2014-15	11/14/14 Actual 2014-15	Change between actual Nov 2013 - Nov 2014
Elementary	5554		5541	-13
<i>Model</i>			<i>Projection is</i>	
T		5647	H106	
OCP		5655	H114	
10C		5637	H96	
5C		5610	H69	
3C		5628	H87	
AVG		5635	H94	
			<u>11/14/2014</u>	
Middle	2858		2861	+3
<i>Model</i>			<i>Projection is</i>	
T		2906	H45	
OCP		2889	H28	
10C		2957	H96	
5C		2930	H69	
3C		2943	H82	
AVG		2925	H64	
			<u>11/14/2014</u>	
High	3764		3730	-34
<i>Model</i>			<i>Projection is</i>	
T		3827	H97	
OCP		3875	H145	
10C		3761	H31	
5C		3772	H42	
3C		3788	H58	
AVG		3805	H75	
Totals			<u>11/14/2014</u>	
Elementary	5554		5541	
Middle	2858		2861	
High	3764		3730	
	12,176		12,132	-44
<i>Model</i>			<i>Projection is</i>	
T		12,380	H248	
OCP		12,419	H287	
10C		12,355	H223	
5C		12,312	H180	
3C		12,359	H227	
AVG		12,365	H233	

H means High
 L means Low

**Chapel Hill/Carrboro School District
 School Membership 2014-2015 School Year (November 14, 2014)**

Statistical Findings

<i>PROJECTION TYPE ABBREVIATIONS</i>	
'TISCHLER' LINEAR (T)	10-YEAR COHORT (10C)
ORANGE COUNTY PLANNING (OCP)	5-YEAR COHORT (5C)
	3-YEAR COHORT (3C)

Elementary School Level

- Projections were all high, ranging from 69 students to 114 students high. On average, the projections were 94 students higher than the actual membership.
- The actual membership decreased by 13 students between November 15, 2013 and November 14, 2014.

Middle School Level

- Projections were all high, ranging from 28 students to 96 students high. On average, the projections were 64 students higher than the actual membership.
- The actual membership increased by 3 students between November 15, 2013 and November 14, 2014.

High School Level

- Projections were all high, ranging from 31 students to 145 students high. On average, the projections were 75 students higher than the actual membership.
- The actual membership decreased by 34 students between November 15, 2013 and November 14, 2014.

TOTAL

- The total of all school level projections were all high, ranging from 180 students to 287 students above actual membership. On average, the projections were high by 233 students.
- The membership decreased in total by 44 students, which is the sum of -13 at Elementary, +3 at Middle, and -34 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 School District and Orange County School District).

3. Standard for:	Standard for:
Chapel Hill Carrboro School District	Orange County School District
The 5 model average discussed in Section II.B (Student Projection Methodology)	The 5 model average discussed in Section II.B (Student Projection Methodology)
See Attachment II.C.4	See Attachment II.C.3

4. **Analysis of Existing Conditions**

The membership figures and percentage growth on the attachments show continued growth in both systems. Average projected growth rates in the next 10 years for both school systems are showing a projected decrease in the increase, but are still showing average positive growth. Chapel Hill/Carrboro Schools projected average annual growth rates have decreased slightly, but remained positive. Future growth rates show varying, but continuous positive growth in the 10 year projection period for elementary, middle, and high school levels. Projected average annual growth rates for Orange County Schools have significantly decreased, but remained positive. Orange County Schools' future growth rates show varying positive and negative growth in the 10 year projection period for elementary, middle, and high school levels. 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 14, 2014) memberships. Membership numbers were collected on November 14 due to November 15 falling on a Saturday in 2014. Ten years of student membership were projected thereafter.

Chapel Hill/Carrboro School District

Elementary

The previous year (2013-14) projections for November 2014 at this level were overestimated by 94 students. The actual membership decreased by 13 students. Over the previous ten years, this level has shown varying increases in growth rates including a decrease in actual membership in 2009-10 which was most likely due to the shorter enrollment period caused by the institution of the new date requiring kindergarteners to be five years old. Following that dip, membership numbers experienced an increase each year with a significant jump (168 students) in 2011-12 before experiencing a decrease this year. Growth rates during the past ten years have ranged from -1.57% to +3.92%. The projections this year are showing the need for Elementary School #12 in 2023-24, this is three years later than last year's projections.

Although not included in SAPFO school capacity or membership numbers, Pre-K programs continue to impact operations at District elementary schools where Pre-K programs exist. Specific impacts of Pre-K programs at the elementary school level will continue to be reviewed and discussed in the coming year.

Middle

The previous year (2013-14) projections for November 2014 for this level were overestimated by 64 students. The actual membership increased by 3. Over the previous ten years, growth has been quite variable and included a decrease in actual membership in 2004-05. Following this decrease, membership and growth rates have experienced increases every school year since. Growth rates during this time period have ranged from -1.99% to +2.86. The addition to Culbreth Middle School opened for the 2014-15 school year with a capacity of 104 seats. The projections this year are showing that Chapel Hill/Carrboro Middle School #5 is projected to be needed in 2023-24. This is three years later than last year's projections.

High School

The previous year (2013-14) projections for November 2014 for this level were overestimated by 75 students. The actual membership decreased by 34 students. Over the previous ten years, change has been variable with decreases in membership in 2008-09 and in 2009-10. Following

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these decreases, membership and growth rates began increasing again before experiencing a decrease in 2013-14. Growth rates during this time period have ranged from -0.90 to +5.31%. The need for additional high school capacity is not anticipated in the 10 year projection period. This is different than last year's projections which identified a need for the Carrboro High School expansion in 2023-24.

Additional Information for Chapel Hill/Carrboro School District

One Charter School, PACE Academy, is located within the Chapel Hill/Carrboro School District. The newest charter school, The Expedition School, opened in the Town of Hillsborough for the 2014-15 school year and currently serves elementary and middle school students. The opening of this school may have affected CHCCS membership numbers at the elementary and middle school levels. Charter schools are not included as part of the SAPFO Annual Report and, as a result, their membership and capacity numbers are not monitored or included in future projections.

Student projections illustrate when the adopted level of service capacities are forecasted to be met and/or exceeded in anticipation of CIP planning and the construction of a new school. However, as is being identified by both school districts, particularly CHCCS, a new trend is emerging to renovate and expand existing facilities to address school capacity needs in a more feasible way. As this trend continues, additional capacity resulting from school renovations and expansion 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. As a result, the renovation and expansion of schools to increase capacity may delay construction of new schools further into the future.

Orange County School District

Elementary

The previous year (2013-14) projections for November 2014 at this level were overestimated by 213 students. Actual membership decreased by 174 students. Over the previous ten years, this level has experienced varying growth rates including a decrease in membership in 2005-06. Following this decrease, membership and growth rates increased every school year until this

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school year. Growth rates during this period have ranged from -5.07% to +2.80%. In the Orange County school system, historic growth is more closely related to new residential development than in the Chapel Hill/Carrboro School District, which has a sizeable number of new families in older, existing housing stock. The need for an additional Elementary School is not anticipated in the 10 year projection period. Staff continues to closely monitor new sizeable residential projects in the Orange County portion of Mebane and Hillsborough.

Although not included in SAPFO school capacity or membership numbers, Pre-K programs continue to impact operations at District elementary schools where Pre-K programs exist. Specific impacts of Pre-K programs at the elementary school level will continue to be reviewed and discussed in the coming year.

Middle

The previous year (2013-14) projections for November 2014 for this level were overestimated by 27 students. The actual membership increased by 15. Over the previous ten years, growth has varied widely and includes decreases in student membership in five of the ten years. Growth rates during this period have ranged from -4.67% to +4.00%. The district's third Middle School, Gravelly Hill Middle School, opened in October 2006. The need for an additional Middle School is not anticipated in the 10-year projection period. Staff continues to closely monitor new sizeable residential projects in the Orange County portion of Mebane and Hillsborough.

High School

The previous year (2013-14) projections for November 2014 for this level were underestimated by 96 students. The actual membership increased by 81. Over the previous ten years, growth varied considerably and included a decrease in membership in 2009-10. Following this decrease, membership and growth rates have experienced increases every school year since. Growth rates during this period ranged from -1.12% to 9.01%. In 2011-12 student membership increased by 32 while capacity decreased by 199 at Orange County High School as a result of a N.C. Department of Public Instruction (DPI) study. This year's projections show that additional capacity is needed in 2022-23 by expanding Cedar Ridge High School from 1,000 to 1,500 students. This is similar to last year's projections.

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Additional Information for Orange County School District

The City of Mebane lies partially within Orange County and students within the Orange County portion of Mebane attend Orange County schools. However, 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. In previous years, development activity and platting of new subdivisions increased within the Orange County portion of Mebane. However, changed economic conditions have curbed new platting and new construction in the past few years. An uptick in residential activity is likely as the country emerges from “The Great Recession”. Increased coordination with the City of Mebane regarding development issues may be necessary in the future. OCS currently has capacity to serve additional growth, but it is possible that development in the Orange County portion of Mebane could quickly encumber available capacity.

Following the economic downturn, there has been an increase in multi-family residential development which has added to increasing student memberships in both districts. Staff will need to continue monitoring and evaluating the demand and growth of the multi-family market in Hillsborough and the entire county as well as its effect on student membership rates.

Orange Charter School, located in the Town of Hillsborough, continues operating in the Orange County School District. Additionally, a new charter school, The Expedition School, opened in the Town of Hillsborough for the 2014-15 school year and currently serves elementary and middle school students. The opening of this school may have caused the significant decrease in OCS membership at the elementary school level. Charter schools are not included as part of the SAPFO Annual Report and, as a result, their membership and capacity are not monitored or included in future projections.

5. Recommendation:

Use statistics as noted in 3 above.

OCS Student Projections (1) (4)

REVISED 01/18/13

School Year	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	3,978	3,993	3,981	3,945	3,916	3,891	3,877	3,858	3,845	3,831	3,816	3,800	3,783	3,765	3,746	3,725	3,702	3,677	3,650	3,621	3,590	3,557	3,521
Projected																							
10 Year Growth																							
5 Year Growth																							
Annual Change - Increase (Decrease) in Actual & Projected Membership																							
Capacity - 100% Level of Service	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020
Number of Students Actual and Projected, Over (Under) 100% LOS	(742)	(827)	(819)	(854)	(894)	(939)	(989)	(1,044)	(1,104)	(1,169)	(1,238)	(1,311)	(1,388)	(1,469)	(1,554)	(1,643)	(1,736)	(1,833)	(1,934)	(2,039)	(2,148)	(2,261)	(2,378)
10% Level of Service	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911
Number of Students Actual and Projected, Over (Under) 105% LOS	(825)	(1,110)	(1,110)	(1,096)	(1,085)	(1,100)	(1,124)	(1,157)	(1,198)	(1,246)	(1,300)	(1,359)	(1,423)	(1,492)	(1,566)	(1,645)	(1,728)	(1,815)	(1,906)	(1,999)	(2,100)	(2,208)	(2,324)
Actual - % Level of Service	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%
Annual Student Growth Rate (%)	4.61%	0.25%	-0.03%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%	-0.71%

Indicates when district surpasses Scholastic APFO recommended Level of Service
 (b) It is important to note that the effect of the November 15, 2012 date of membership as outlined by the Scholastic APFO is reflected in the 2012-13 data.
 (c) The Teacher Model provides for the "Linear Method" of Projections for both CHCS and OCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCS.
 (d) Annual growth rate calculated using actual membership for years 2000-01 through 2011-12 and average membership for years 2013-14 through 2022-23.
 (e) Class sizes for grades K-5 for school years 2000 through 2007-08. In accordance with 2008 School Collaboration Work Group direction, effective the 2008-2009 school year with the opening of CHCS Elementary #10, K-5 class sizes are 17:1 as directed by past State legislative action.

OCS Student Projections (1)

School Year	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	1,534	1,527	1,511	1,511	1,503	1,491	1,480	1,469	1,458	1,447	1,436	1,424	1,412	1,400	1,388	1,376	1,364	1,352	1,340	1,328	1,316	1,304	1,292
Projected																							
10 Year Growth																							
5 Year Growth																							
Annual Change - Increase (Decrease) in Actual & Projected Membership																							
Capacity - 100% Level of Service	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	
Number of Students Actual and Projected, Over (Under) 100% LOS	78	61	45	45	37	25	13	1	(10)	(20)	(30)	(40)	(50)	(60)	(70)	(80)	(90)	(100)	(110)	(120)	(130)	(140)	(150)
10% Level of Service	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609
Number of Students Actual and Projected, Over (Under) 105% LOS	(65)	(45)	(25)	(5)	15	35	55	75	95	115	135	155	175	195	215	235	255	275	295	315	335	355	
Actual - % Level of Service	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	102.8%	
Annual Student Growth Rate (%)	1.52%	0.45%	-0.11%	-0.07%	-0.54%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	-0.81%	

Indicates when district surpasses Scholastic APFO recommended Level of Service
 (b) It is important to note that the effect of the November 15, 2012 date of membership as outlined by the Scholastic APFO is reflected in the 2012-13 data.
 (c) The Teacher Model provides for the "Linear Method" of Projections for both CHCS and OCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCS.
 (d) Annual growth rate calculated using actual membership for years 2000-01 through 2011-12 and average membership for years 2013-14 through 2022-23.

OCS Student Projections (1)

School Year	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	1,672	1,733	1,826	1,937	2,027	2,124	2,214	2,314	2,414	2,514	2,614	2,714	2,814	2,914	3,014	3,114	3,214	3,314	3,414	3,514	3,614	3,714	3,814
Projected																							
10 Year Growth																							
5 Year Growth																							
Annual Change - Increase (Decrease) in Actual & Projected Membership																							
Capacity - 100% Level of Service	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	1,514	
Number of Students Actual and Projected, Over (Under) 100% LOS	158	219	312	423	513	610	706	802	900	998	1,096	1,194	1,292	1,390	1,488	1,586	1,684	1,782	1,880	1,978	2,076	2,174	
10% Level of Service	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	1,670	
Number of Students Actual and Projected, Over (Under) 105% LOS	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	
Actual - % Level of Service	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	110.3%	
Annual Student Growth Rate (%)	4.44%	4.38%	5.25%	5.91%	4.41%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	

Indicates when district surpasses Scholastic APFO recommended Level of Service
 (b) It is important to note that the effect of the November 15, 2012 date of membership as outlined by the Scholastic APFO is reflected in the 2012-13 data.
 (c) The Teacher Model provides for the "Linear Method" of Projections for both CHCS and OCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCS.
 (d) Annual growth rate calculated using actual membership for years 2000-01 through 2011-12 and average membership for years 2013-14 through 2022-23.

Attachment II.C.2 – Chapel Hill/Carrboro Student Projections (Elementary, Middle, & High) (2013-14)

REVISED 01/11/2013

CHCCS Student Projections (1) (4)

School Year	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	4,244	4,151	4,056	3,961	3,866	3,771	3,676	3,581	3,486	3,391	3,296	3,201	3,106	3,011
10 Year Growth														
10 Year Growth														
5 Year Growth														
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Change - Increase (Decrease) in Actual & Projected Membership	30	77	441	193	159	65	89	73	38	89	70	70	76	76
Capacity - 100% Level of Service (LOS)	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322
Number of Students, Actual and Projected, Over (Under) 100% LOS	152	172	249	250	250	250	250	250	250	250	250	250	250	250
Capacity - 100% Level of Service (LOS)	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322
Number of Students, Actual and Projected, Over (Under) 100% LOS	152	172	249	250	250	250	250	250	250	250	250	250	250	250
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Student Growth Rate (S)	0.66%	1.72%	3.10%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%

1) This information is for 2009-2010 through 2022-23. It indicates when district surpasses SchoolsAFFO recommended Level of Service. The Teacher Model provides for the "Linear Method" of projections for both CHCCS and CCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCCS.

2) Annual growth rate calculated using actual membership for years 2009-10 through 2013-14 through 2022-23.

3) Class sizes for grades K-3 = 1:28 for school years 2008 through 2007-08. In accordance with 2005 School Collaboration Work Group direction, effective the 2008-2009 school year with the opening of CHCCS Elementary #18, K-3 class size are 1:21 as directed by last State legislative action.

CHCCS Student Projections (1)

School Year	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251
10 Year Growth														
10 Year Growth														
5 Year Growth														
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Change - Increase (Decrease) in Actual & Projected Membership	214	60	4	30	76	11	14	31	30	32	46	46	9	37
Capacity - 100% Level of Service	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108
Number of Students, Actual and Projected, Over (Under) 100% LOS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Capacity - 100% Level of Service	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108	2,108
Number of Students, Actual and Projected, Over (Under) 100% LOS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Student Growth Rate (S)	8.20%	2.85%	0.15%	1.35%	2.65%	0.41%	0.62%	1.43%	1.43%	1.67%	2.20%	2.00%	1.45%	1.15%

1) This information is for 2009-2010 through 2022-23. It indicates when district surpasses SchoolsAFFO recommended Level of Service. The Teacher Model provides for the "Linear Method" of projections for both CHCCS and CCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCCS.

2) Annual growth rate calculated using actual membership for years 2009-10 through 2013-14 through 2022-23.

3) Class sizes for grades K-3 = 1:28 for school years 2008 through 2007-08. In accordance with 2005 School Collaboration Work Group direction, effective the 2008-2009 school year with the opening of CHCCS Elementary #18, K-3 class size are 1:21 as directed by last State legislative action.

CHCCS Student Projections (1)

School Year	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215
10 Year Growth														
10 Year Growth														
5 Year Growth														
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Change - Increase (Decrease) in Actual & Projected Membership	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Capacity - 100% Level of Service	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059
Number of Students, Actual and Projected, Over (Under) 100% LOS	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Capacity - 100% Level of Service	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059
Number of Students, Actual and Projected, Over (Under) 100% LOS	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Student Growth Rate (S)	6.50%	6.72%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%

1) This information is for 2009-2010 through 2022-23. It indicates when district surpasses SchoolsAFFO recommended Level of Service. The Teacher Model provides for the "Linear Method" of projections for both CHCCS and CCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCCS.

2) Annual growth rate calculated using actual membership for years 2009-10 through 2013-14 through 2022-23.

3) Class sizes for grades K-3 = 1:28 for school years 2008 through 2007-08. In accordance with 2005 School Collaboration Work Group direction, effective the 2008-2009 school year with the opening of CHCCS Elementary #18, K-3 class size are 1:21 as directed by last State legislative action.

CHCCS Student Projections (1)

School Year	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215
10 Year Growth														
10 Year Growth														
5 Year Growth														
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Change - Increase (Decrease) in Actual & Projected Membership	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Capacity - 100% Level of Service	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059
Number of Students, Actual and Projected, Over (Under) 100% LOS	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Capacity - 100% Level of Service	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059
Number of Students, Actual and Projected, Over (Under) 100% LOS	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Student Growth Rate (S)	6.50%	6.72%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%

1) This information is for 2009-2010 through 2022-23. It indicates when district surpasses SchoolsAFFO recommended Level of Service. The Teacher Model provides for the "Linear Method" of projections for both CHCCS and CCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCCS.

2) Annual growth rate calculated using actual membership for years 2009-10 through 2013-14 through 2022-23.

3) Class sizes for grades K-3 = 1:28 for school years 2008 through 2007-08. In accordance with 2005 School Collaboration Work Group direction, effective the 2008-2009 school year with the opening of CHCCS Elementary #18, K-3 class size are 1:21 as directed by last State legislative action.

CHCCS Student Projections (1)

School Year	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Actual	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215
10 Year Growth														
10 Year Growth														
5 Year Growth														
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Change - Increase (Decrease) in Actual & Projected Membership	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Capacity - 100% Level of Service	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059
Number of Students, Actual and Projected, Over (Under) 100% LOS	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Capacity - 100% Level of Service	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059	2,059
Number of Students, Actual and Projected, Over (Under) 100% LOS	156	159	159	159	159	159	159	159	159	159	159	159	159	159
Average % Level of Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Annual Student Growth Rate (S)	6.50%	6.72%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%

1) This information is for 2009-2010 through 2022-23. It indicates when district surpasses SchoolsAFFO recommended Level of Service. The Teacher Model provides for the "Linear Method" of projections for both CHCCS and CCS. Original projections used in prior years projection models included the "Linear Extrapolation Method" for CHCCS.

2) Annual growth rate calculated using actual membership for years 2009-10 through 2013-14 through 2022-23.

3) Class sizes for grades K-3 = 1:28 for school years 2008 through 2007-08. In accordance with 2005 School Collaboration Work Group direction, effective the 2008-2009 school year with the opening of CHCCS Elementary #18, K-3 class size are 1:21 as directed by last State legislative action.

Attachment II.C.3 – Orange County Student Projections (Elementary, Middle, & High) (2014-15)

REVISED 10/17/14

OCS Student Projections (1)(14)

Elementary	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Actual	3,076	2,863	2,901	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116
Teacher	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
Capacity - 100% Level of Service	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Capacity - 110% Level of Service	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300
Number of Students, Actual and Projected, Over (Under) 100% LOS	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911	4,911
100% Level of Service	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118
Number of Students, Actual and Projected, Over (Under) 110% LOS	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118	1,118
Average % Level of Service	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%
Annual Student Growth Rate (1)	4.84%	4.28%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Updated Note: The 2012 recommendation of school collaboration with Orange and approved by OCS in 2009. Grades K-3 have not reduced from 1.23 to 1.14 with opening of OCS Elementary #10-15. Note: This is based on prior agreements and/or in-kind services.

OCS Student Projections (1)

Middle	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Actual	1,534	1,527	1,531	1,537	1,537	1,537	1,537	1,537	1,537	1,537	1,537	1,537	1,537	1,537	1,537
Teacher	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
Capacity - 100% Level of Service	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468
Capacity - 110% Level of Service	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615	1,615
Number of Students, Actual and Projected, Over (Under) 100% LOS	38	61	165	205	127	169	169	169	169	169	169	169	169	169	169
100% Level of Service	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569	1,569
Number of Students, Actual and Projected, Over (Under) 110% LOS	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Average % Level of Service	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%
Annual Student Growth Rate (1)	4.84%	4.28%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Updated Note: The 2012 recommendation of school collaboration with Orange and approved by OCS in 2009. Grades K-3 have not reduced from 1.23 to 1.14 with opening of OCS Elementary #10-15. Note: This is based on prior agreements and/or in-kind services.

OCS Student Projections (1)

High	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Actual	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072
Teacher	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
Capacity - 100% Level of Service	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072
Capacity - 110% Level of Service	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179
Number of Students, Actual and Projected, Over (Under) 100% LOS	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
100% Level of Service	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179
Number of Students, Actual and Projected, Over (Under) 110% LOS	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
Average % Level of Service	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%
Annual Student Growth Rate (1)	4.84%	4.28%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%	3.23%

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Indicates when district surpasses Schools AFFO recommended Level of Service

Updated Note: The 2012 recommendation of school collaboration with Orange and approved by OCS in 2009. Grades K-3 have not reduced from 1.23 to 1.14 with opening of OCS Elementary #10-15. Note: This is based on prior agreements and/or in-kind services.

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-by- year growth rate that may be positive or negative, but rather the average of the annual anticipated growth rates over the next ten (10) years.

3. Standard for:

Chapel Hill/Carrboro School District

See Attachment II.D.2

4. Analysis of Existing Conditions:

Chapel Hill/Carrboro School District

The membership figures and percentage growth on the attachments show continued growth at each school level within the system.

Projected Average Annual Growth Rate over next ten years:

Year Projection Made:	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Elementary	1.44%	1.59%	1.18%	1.44%	1.11%
Middle	1.67%	1.94%	1.59%	1.58%	1.15%
High	1.57%	1.73%	1.60%	1.27%	1.22%

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 continued growth at each school level within the system.

Projected Average Annual Growth Rate over next ten years:

Year Projection Made:	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Elementary	1.57%	1.6%	1.31%	1.30%	0.55%
Middle	1.84%	2.01%	1.64%	1.42%	0.09%
High	1.59%	1.61%	1.43%	1.35%	0.39%

5. Recommendation:

Chapel Hill/Carrboro School District

Use statistics as noted.

Recommendation:

Orange County School District

Use statistics as noted.

Attachment II.D.1 – Orange County and Chapel Hill/Carrboro Student Growth Rates
(Chart dates from 2014-2024 based on 11/15/13 membership numbers) (2013-14)

2013-2014

Orange County Student Projections

Elementary

School Year	2013-2014 (actual)	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Membership	3,433	3,472	3,555	3,597	3,627	3,668	3,716	3,764	3,812	3,861	3,906
Average % Increase		1.14%	2.39%	1.18%	0.84%	1.13%	1.30%	1.29%	1.28%	1.28%	1.17%

Middle

School Year	2013-2014 (actual)	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Membership	1,747	1,789	1,805	1,824	1,862	1,933	1,951	1,953	1,967	1,987	2,010
Average % Increase		2.38%	0.94%	1.03%	2.07%	3.85%	0.90%	0.12%	0.71%	1.04%	1.12%

High School

School Year	2013-2014 (actual)	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Membership	2,421	2,406	2,411	2,468	2,533	2,534	2,600	2,642	2,678	2,742	2,767
Average % Increase		-0.61%	0.18%	2.40%	2.63%	0.03%	2.59%	1.62%	1.39%	2.36%	0.93%

Chapel Hill/Carrboro Student Projections

Elementary

School Year	2013-2014 (actual)	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Membership	5,554	5,635	5,748	5,845	5,927	6,021	6,090	6,166	6,241	6,323	6,405
Average % Increase		1.47%	2.00%	1.69%	1.41%	1.57%	1.15%	1.24%	1.23%	1.31%	1.30%

Middle

School Year	2013-2014 (actual)	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Membership	2,858	2,925	2,947	2,962	2,999	3,063	3,134	3,190	3,257	3,299	3,342
Average % Increase		2.35%	0.76%	0.50%	1.24%	2.13%	2.32%	1.78%	2.11%	1.30%	1.30%

High School

School Year	2013-2014 (actual)	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Membership	3,764	3,805	3,825	3,893	3,982	4,011	4,050	4,086	4,112	4,199	4,268
Average % Increase		1.08%	0.54%	1.78%	2.27%	0.75%	0.96%	0.88%	0.65%	2.10%	1.65%

Attachment II.D.2 – Orange County and Chapel Hill/Carrboro Student Growth Rates
(Chart dates from 2015-2025 based on 11/14/14 membership numbers) (2014-15)

2014-2015

Orange County Student Projections

Elementary

School Year	2014-2015 (actual)	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Membership	3,259	3,285	3,274	3,234	3,226	3,227	3,267	3,310	3,354	3,398	3,442
Average % Increase		0.80%	-0.33%	-1.22%	-0.26%	0.03%	1.23%	1.33%	1.32%	1.31%	1.30%

Middle

School Year	2014-2015 (actual)	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Membership	1,762	1,751	1,746	1,782	1,837	1,848	1,789	1,759	1,737	1,757	1,776
Average % Increase		-0.65%	-0.27%	2.08%	3.10%	0.60%	-3.21%	-1.70%	-1.23%	1.11%	1.10%

High School

School Year	2014-2015 (actual)	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Membership	2,502	2,510	2,540	2,581	2,547	2,579	2,622	2,639	2,687	2,652	2,599
Average % Increase		0.32%	1.21%	1.60%	-1.30%	1.26%	1.63%	0.66%	1.81%	-1.29%	-2.02%

Chapel Hill/Carrboro Student Projections

Elementary

School Year	2014-2015 (actual)	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Membership	5,541	5,606	5,662	5,730	5,795	5,839	5,911	5,981	6,051	6,118	6,185
Average % Increase		1.18%	0.99%	1.21%	1.13%	0.76%	1.23%	1.18%	1.16%	1.11%	1.10%

Middle

School Year	2014-2015 (actual)	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Membership	2,861	2,895	2,928	2,966	3,009	3,058	3,087	3,118	3,127	3,167	3,208
Average % Increase		1.18%	1.15%	1.28%	1.46%	1.63%	0.95%	0.99%	0.29%	1.29%	1.29%

High School

School Year	2014-2015 (actual)	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Membership	3,730	3,742	3,798	3,858	3,920	3,979	4,015	4,063	4,138	4,167	4,209
Average % Increase		0.32%	1.51%	1.59%	1.59%	1.52%	0.89%	1.19%	1.86%	0.70%	1.01%

E. Student / Housing Generation Rate

1. ***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:***

Chapel Hill/Carrboro School District See Attachment II.E.1	Standard for: Orange County School District See Attachment II.E.1
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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. This topic had also been discussed in previous years. 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 standards are shown in Attachment II.E.1. Previous numbers used for SAPFO and CAPS purposes were from the 2007 Impact Fee Study which developed student generation rates based on the entire housing stock in each school district. 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 is important to note that an updated student generation rate could not be provided for manufactured homes with 0-2 bedrooms because no units were constructed during the study period. As a result, the pre-existing student

Section II

generation rate (0.268) from the 2007 TischlerBise School Impact Fee Report will be utilized.

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

5. *Recommendation:*

Change

The SAPFOTAC reviewed and discussed the most recent student generation rate analysis included in the 2014 TischlerBise report. They recommend the BOCC and other governing boards accept the new rates as reported in Attachment II.E.1 and adopt them as the standard for the SAPFO and CAPS system.

Attachment II.E.1 – Current Student Generation Rates (2015)

TischlerBise Student Generation Rates – 2014

Chapel Hill/Carrboro Schools				
	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	0.18	0.44		0.34
Multifamily/Other	0.13	0.43		0.20
Manufactured Home	0.268	0.86		0.78
Weight Average for Chapel Hill/Carrboro School District				0.49

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 Average for Orange County School District				0.37

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

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)

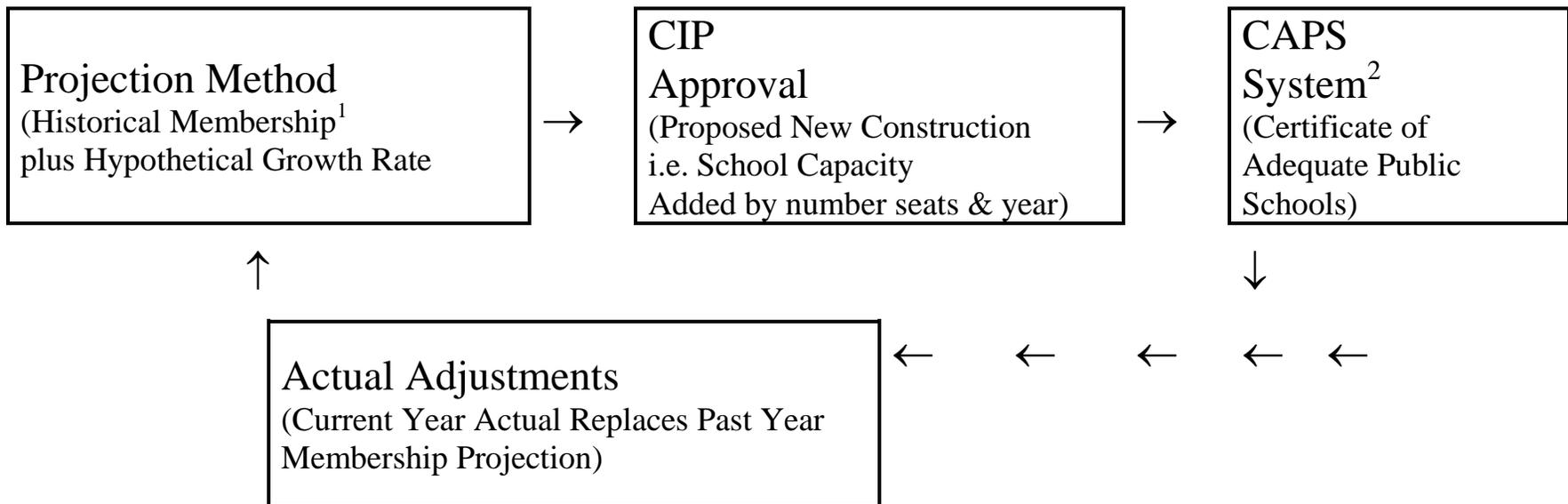
Timeframe: In November of each year, Student Membership and Building Capacity is transmitted from the school districts to the Orange County Board of Commissioners for consideration and approval and used in the following years CIP (e.g. November 15, 2014 membership numbers used to develop a CIP to be considered for adoption in June 2015).

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 Schools APFO 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.

As was discussed in Section II.C, The City of Mebane is not a party to the SAPFO and does not require that CAPS be issued prior to approving development activities. However, residential development within the Orange County portion of Mebane has increased dramatically prior to 2009, but has slowed considerably due to the current economic climate. Currently, there are approximately 1,000 approved undeveloped residential lots in the portion of Mebane that lies within Orange County. 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

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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 Schools APFO 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 2015 - 2025)

November 2014 – June 2015 (using 2015 SAPFOTAC Report)

Schools APFO CAPS Process 2 (for Schools APFO System 2015 – 2016)

November 2014 - November 2015

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

2015 CAPS system is effective November 15, 2014 through November 14, 2015.

The system is updated with new membership, CIP capacity changes, and any other BOCC/School District joint action approved capacity prior to November 15, 2014. 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, 2014.

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 System

$$AC^2 = SC^2 - (ADM^2 + ND1^2 + ND2^2 + \dots)$$

$AC \geq 0$ - Issue CAPS

$AC < 0$ - Defer CAPS to later date

¹Student Generation Rates from CAPS housing type create future membership estimate. Please note that this CAPS membership future estimate is different than the projection 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.

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

SC - Certified School Level Capacity

ADM - Average Daily Membership

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