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 2005

(BASED ON NOVEMBER 2004 DATA)

CERTIFIED BY THE BOCC ON XXX, 2005

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2005 SAPFOTAC Executive Summary

I. Base Memorandum of Understanding

- The second sec	Chapel Hill/Carrboro School District	Orange County School District
Elementary	105%	105%
Middle	107%	107%*
High	110%*	110%

^{*} Temporarily suspended

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

	C	Chapel HilVCarrboro School District		Orange County School District			
	Capacity	Membership***	Increase from Prior Year	Capacity	Membership***	Increase from Prior Year	
Elementary	4921	4695	3	3820(+100)**	3016	71	
Middle	2840	2560	(52)	1466	1593	(78)	
High	3035	3422	92	2518	2057	170	

^{**} Current capacity is 3820. An additional 100 seats are scheduled for completion in 2005-06.

C. Membership Date - November 15, 2004......(No Change).....Pg.21

II. Annual Update to SAPFO System

- A. Capital Investment Plan (CIP).....(Change)......Pg. 22
- B. Student Membership Projection Methodology.....(No Change)......Pg. 23
 The average of 3, 5, and 10 year history/cohort survival and 2 linear projection models.

C. Student Membership Projections......(Change)......Pg.38

5 Year out Snapshot Comparison (arrow indicates whether there was an increase or decrease in projection total between prior year and subsequent year) | Chapel Hill/Carrboro School District | Orange County School District

				•				
	2002	2003	2004	2002	2003	2004		
				0.64 (\$1.00.27M)	1.01524420408020	An ministra		
Elementary	5405	5366 1	50401	3067	3126†	32011		
Middle	2954	2883↓	26771	1587	1656↑	16181		
High	3719	3737 ↑	36511	1952	2070 ↑	2135†		

	Average Annu	ial Growth Rai	e over 10 Year	S	
		IVCarrboro District		County District	
	2003	2004	2003	2004	
Elementary	2.34%	1.79%	1.54%	1.68%	
Middle	2.63%	1.91%	0.79%	1.50%	
High	2.81%	2.04%	1.28%	1.21%	

E. Student / Housing Generation Rate.....(No Change)......Pg. 52

SCHOOL ADEQUATE PUBLIC FACILITIES ORDINANCE STATUS

(based on future year Student Membership Projections)

The following information relates to existing school certified capacities and is not related to new legislation from DPI (Department of Public Instruction) affecting elementary schools.

CHAPEL HILL/CARRBORO SCHOOL DISTRICT

Elementary School District

- A. Does not currently exceed 105% LOS standards (current LOS is 95.4%).
- B. Decrease in the increase of the growth rate at this level over the next 10 years.
- C. Chapel Hill/Carrboro Elementary School #10 should be scheduled for a 2009-10 opening.

Middle School District

- A. Does not currently exceed 107% LOS standards (current LOS is 90.1%).
- B. Decrease in the increase of the growth rate at this level over the next 10 years.
- C. Chapel Hill/Carrboro Middle School #5 would likely be projected for 2013-14 versus the prior year projection of 2009-10.

High School District

- A. Currently exceeds the 110% LOS standard (current LOS is 112.8%), but Memorandum of Understanding (MOU) suspended the Certificate Adequate Public Schools (CAPS) adequacy test at this level so CAPS may still be issued.
- B. Decrease in the increase of the growth rate at this level over the next 10 years.
- C. Chapel Hill/Carrboro High School #3 is still needed as soon as possible with current construction schedule estimates at 2006-2007 but with a likely change to 2007-2008.

ORANGE COUNTY SCHOOL DISTRICT

Elementary School District

- Does not currently exceed 105% LOS standard (current LOS is 79.0%).
- B. Increase in the increase of the growth rate at this level over the next 10 years.
- C. Does not affect or prompt CIP activity in 10-year timeframe.

Middle School District

- A. Presently at 108.7% LOS which exceeds 107% LOS standard but Memorandum of Understanding (MOU) suspended the Certificate Adequate Public Schools (CAPS) adequacy test at this level until Orange County School District (OCSD) Middle School #3 opens so CAPS may still be issued.
- B. Increase in the increase of the growth rate at this level over the next 10 years.
- C. OCSD Middle School #3 is still needed as soon as possible with construction schedule estimates at 2006-2007.

High School District

- A. Does not currently exceed 110% LOS (current LOS is 81.7%).
- B. Decrease in the increase of the growth rate at this level over the next 10 years.
- C. Does not affect or prompt CIP activity in 10-year time frame.

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 school membership school capacity, and housing development, which effects future projections, as well as, 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.

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)

Orange County Planning Department Craig Benedict, Planning Director 306-F Revere Road P.O. Box 8181 Hillsborough, NC 27278

Town of Chapel Hill Roger Waldon, Planning Director 306 N. Columbia Street Chapel Hill, North Carolina 27516

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

Orange County School District Shirley Carraway, Superintendent 200 E. King Street Hillsborough, NC 27278

Carrboro Planning Department Roy Williford, Planning Director P.O. Box 829 Carrboro, NC 27510

Chapel Hill-Carrboro School District Steve Scroggs, Support Services 750 Merritt Mill Road Chapel Hill, NC 25716

Includes:
SAPFOTAC/O.C. Budget Liaison
Donna Dean
208 South Cameron Street
P.O. Box 8181

Hillsborough, NC 27278

V

I. BASE MEMORANDUM OF UNDERSTANDING

A. Level of Service

- Responsible Entity for Suggesting Change Change can only be effectuated by amendment to Memorandum of Understanding (MOU) by all School APFO partners.
- 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 So	hool District	Orange County School District			
Elementary	Middle	High School	Elementary	Middle	High School	
105%	107%	N/A	105%	N/A	110%	
		110%		107%		

N/A – This means the School APFO Adequacy Test has been "suspended" in accordance with addendums to the Memorandum of Understanding until proposed capacity is added in the specific school level area.

4. Analysis of Existing Conditions Chapel Hill Carrboro School District

These standards are acceptable at this time. Please note that the High School Adequacy test has been suspended (i.e., does not apply) until the new High School opens which is scheduled for Fall, 2007 at which time the test for the High School will be automatically reinstated.

5. Recommendation -

No Change from above standard

Analysis of Existing Conditions

Orange County School District

These standards are acceptable at this time. Please note that the Middle School Adequacy test has been suspended (i.e., does not apply) until the new Middle School opens which is scheduled for Fall, 2006 at which time the test for the Middle School will be automatically reinstated.

Recommendation-

No Change from above standard

B. Building Capacity

- Representatives, 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) (See Attachment I. B. 2)

Capacity changes were made each year as

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) (See Attachment I. B. 1.)

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.

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 level. No changes at Middle or

High School levels.

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 2004-5 capacity is noted on Attachment I.B.6.

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 2004-5 capacity is noted on Attachment I.B.5

Please note that the information contained in this report relates to existing school certified capacities and is not related to new legislation from DPI (Department of Public Instruction) affecting elementary schools. Any capacity changes related to DPI legislation will require reconvening of a School Facilities Task Force type of group that can act as a Joint Action Committee.

5. Recommendation - No Change at this time

After input from SAPFO partners and comments from authorized Task Forces, the

Recommendation-No Change at this time

After input from SAPFO partners and comments from authorized Task Forces, the Board of County Commissioners would render

Board of County Commissioners would render a decision prior to a November update.

a decision prior to a November update.

Report for 4b 0 0 0 8

Student Capacity by School District Permanent Structures Only, No Mobile Units (Including Projects Under Construction)

	GIGES		*		ocs /			· man
•	: 1	Square		tember style (1)		Square Feet C		lember Make
	Bangaray	Feet C 60,632	553	/ 492	Elementary Carneron Park	70,812	ipacity i 898	458
	Calendo	05,952	472 /	550	Control	52,492	483	293
	Ephoesia Estes Hills	56,299	549	555	Rend Cheeks	64,316	529	411
. 1	Gienwood	80,764	445	371	Grady Brown	74,018	575	459
	PP Graham	63,541	/570	557		51,106	414	393
	McCounts \	000,30	/ 596	880	New Hope	100,164	621	457
	Scauce	90,960	/ 609	572	Patrusys .	85,282	800	427
-	Scenal	62,869 /	498	676		*		
	Total CHCCS	\/	-	ı	Total OCS			
	Elementary	\$40,237	4,302	4,472	Ejementary	488,155	3,820	2,990
	Silidde	X						•
	Colorett	104,798	670	644	A.L. Stenback	136,000	740	744
	McDougle	136,221	732	634	C.W. Stanford	107,620	726	789
	Phillips	/109,495 \	706	. 749				
	Smith /	128,764	732	521		•		-49
	Total CHCGS		1		Total OCS			*
£	Middle School	479,261	\2.540	2,548	Middle School	243,620	1,456	1,533
	High -/		/		High			
	Chanel Hill	241,117	1,520	1,580	Orange	213,509	1,518	1,723
	But Charles HE	258.085	1,515	1,395	***	•	-	•
	Total criccs			/	Total OCS High			
	High School	500,096	3,035	2,965	Sahooi	213,509	1,518	1,723
		-						Ť
	Total All Levels	1,518,014	10,177	9,975,	Total All Lavels	935,317	6,804	6,152
J			***************************************		\			

Proper Sandy contribution above capacity and

4/30/02 (Date)

Report for 4b

Student Capacity by School District (Screen Year Ending 2002) Permanent Structures Only, No Mobile Units (Including Projects Under Construction)

my to	0-	•	Monber		Square		Manufact
***	Square		while (1)				- 1 A
increasing .	Pout	Capacity	anap	Elementary		apacity	chip (1)
Camparo	80,832	563	482	Cameron Park	70,812	598	/458
Spheaus	66,052	472	550	Control	52,492	483	/ 293
Entre Hills	55,299	549	655	Etland Cheeks	64,316	529	411
Storpused	50,764	445	371	Grady Brown	74,016	579	459
P Graham	63,641	570	587	- Imporongh	51,106	414	393
MaDougle	00,000	598	889	New Hope	100,164	621	457
Sercups	90,980	609	572	Pathways	55,282	600	427
Secret	52,869	. 498	676		\		
Total CHCC8	*			Total COS		,	
Elementary	\$40,207	4,302	4477	Elementary	492,189	3,820	2,59
Middle			1	Middle	X		
Cubedi	104,798	670	644	AL Stanback	136,000	740	744
McDougle	138,221	732	634	C.W. Standord	107,620	728	789
Printer	100,408	708	749		/ \	\	
Smith	128,764	732	521		/	1	
Total CHCCS	_			Total OCS	•	1	
Middle School	470,281	2,840	2,548	Middle School	243,620	1,466	1,533
l-Sgh				High /		/	
Chapel Hill	241,111	1,520	1,560	Orange /	213,509	1,518	1,723
East Chapel Hill	258,985	1,515	1,395	1 /	-		1
Total CHCCS		- 1 - 1 -		Total DCS High			1
High School	500,006	3,035	2,955	Sahool	213,509	1,518	1)(23
Total All Levels	1,519,614	10,177	9,575	Total All Levels	955,317	6,804	6,162

Chapt Hill Constant Ch. John I. School District are correct.

(Date)

School E	Histrict:	Orange County Sci	ools			
School 1	Car No	vember 15, 2003 - P	ovember 14, 20	14		

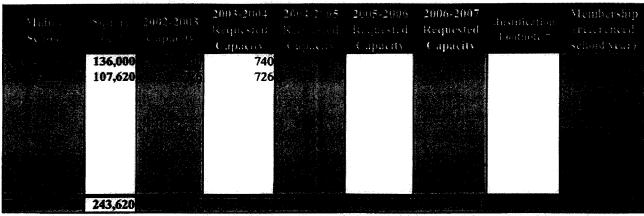
70,812			4 April 415	Salami Again
52,492 64,316 74,016 51,106 100,164 85,282	598 483 529 575 414 621 600			

Special Note: 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:	An increase in Hillsborough Elementary capacity of 100 was completed prior to the					
start of the 2003-04	school year in accordance with the C	IP. However, due to co	ontinuing renovations w	rithin		
the school, the ever	ntual full capacity of 514 student seats	will not be achieved ur	ntil the 2005/2006			
school year.						
			·			
Market and the second s						
		_		<u> </u>		
Capacity Certifi	cation:					
Superintendent	Date		BOCC Chair	Date		
Membership Co	tification:					
Superintendent	Date		BOCC Chair	Date		

School APFC Capacity Calculation and Change Request Form

School District: Orange County Schools
School Year: November 15, 2003 - November 14, 2004

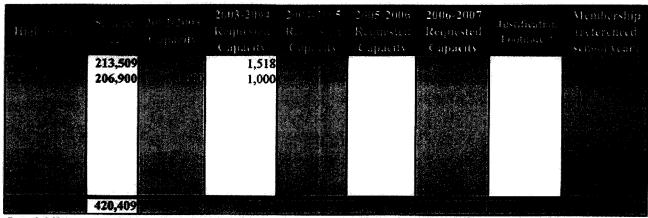


Special Notes For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1)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

Justification:	No change in capacity.		
Capacity Certific	cation:		
Superintendent	Date	BOCC Chair	Date
Membership Cer	tification:	TRIBUTAT PRESENTATION OF THE CONTRACT OF THE PROPERTY OF THE STATE OF	
Superintendent	Date	BOCC Chair	Date

Bahoel APFO Capacity Onla Mollen and Change Request Form

School District: Orange County Schools
School Year: November 15, 2003 - November 14, 2004

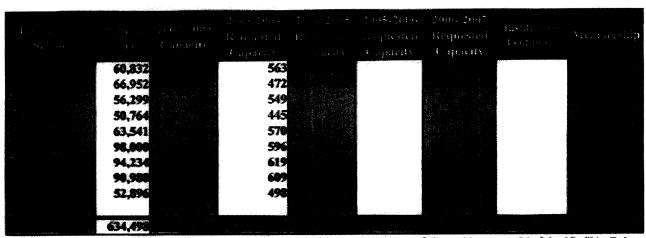


Special Note: For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Facilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capacities will remain effective until changed by (1)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

Justification:	Completed construction of Cedar Rid	ge High School. This school opened in th	e fall
of 2002 with a scho	ol capacity of 1,000 students.		
Capacity Certific	ation:		
Superintendent	Date	BOCC Chair	Date
Membership Cer	ification:		
Superintendent	Date	BOCC Chair	Date

Sanus Ared Cupach, Cata a and Change Request For a

School District: Chapel Hill-Carrboro City Schools
School Year: November 15, 2003 - November 14, 2004



Special Note: 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:

An increase in capacity of 619 at Rashkis Elementary was completed prior to the start of the 2003-04 school year in accordance with the CIP.

Capacity Certification:

Superintendent	Date	BOCC Chair	Date
2			***************************************
Mountership Cortifica	rtions		
Superintendent	Date	BOCC Chair	Date

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	The same as it is the			ard C	honde	Renuesi	Form
المناف في القبيعة التي المنافقة	the state and a series and a series	American Company	2 1 1 10 2 100 1 10	30000 200	Reg. of		

School District: Chapel Hill-Carrboro City Schools	•
School Year: November 15, 2003 - November 14, 2004	

VIII Sec		2002 2003 Copposity	Requising	2902-2005 Regioned Capacity	Requested	destification Legipole	Menthership ereterenced school years
	104,798 136,221 109,498 128,764		670 732 706 732	1.3454			
Security of the second	479,281			e god e see s anky symmetry annual me the short	and the common transmission in		manan manan manan hi

Special Note: 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:				
·				
a accomplished the service accommunity and accommunity accommunity and accommunity and accommunity accommunity and accommunity accommunity accommunity accommunity and accommunity acc		4		
- Ve (
Capacity Certificat	ion:		Control of the Contro	
Superintendent	Date		BOCC Chair	Date
Membership Certifi	cation:			
Superintendent	Date		BOCC Chair	Date

Schic. AFFG Capacity		i Charge Request F	Offi
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School District: Chapel Hill-Carrboro City Schools	
School Year: November 15, 2003 - November 14, 2004	

241,111		Capacity (арисих	Scikool Year)
258,985	,520 ,515			

Special Note: 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:				
		100		

Capacity Certificat	on:			
Superintendent	Date		BOCC Chair	Date
Membership Certifi	cation:	region (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996)	институт на посит по в отводит в выше в на	
Superintendent	Date		BOCC Chair	Date

School District: Orange County Schools

School Year: November 15, 2004 - November 14, 2005

hlenseste v - San v			Zito 4. 2miš Rugova jed v upovito	Reguested	2006-2007 Requested Capacity	Justilleation Esaztrate 4	Membership (teletenced school year)
1	70,812 52,492 64,316 74,016 51,106 00,164 85,282	598 483 529 575 414 621 600					

Special Note: For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Pacilities 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:	An increase in Hillsborough Elemer	ntary capacity of 100 was completed prior to the
start of the 2003-04	school year in accordance with the CIP	. However, due to continuing renovations within
the school, the even	itual full capacity of 514 student seats w	rill not be achieved until the 2005/2006
school year. The at	ove numbers reflect school capacity wi	thout consideration of state class size
reductions in grades	K-3.	
	M. 45.	
Capacity Certific	ation:	44.
Superintendent	11-16-04 Date	BOCC Chair Date
Membership Ceri	11-16-04	Moses Cours 12-15
Superintendent	Date	BOCC Chair Date

School District: Orange County Schools

School Year: November 15, 2004 - November 14, 2005

referenced chi. Evani	Per en residente e el		2003-2004 Requests o Capacity	2002-2003 Lapacity		
			598 483 529 575		70,812 52,492 64,316 74,016	
			414 621 600		51,106 100,164 85,282	erains
The state of the s			621	410	100,164	

Special Note: For the November 15, 2002 base year the board accepted the superintendent-certified capacities as part of the School Pacilities Task Force review and 2003 Planners and School Representative Technical Advisory Committee Report. These capaci

An increase in Hillsborough Elementary capacity of 100 was completed prior to the start of the 2003-04 school year in accordance with the CIP. However, due to continuing renovations within the school, the eventual full capacity of 514 student seats will not be achieved until the 2005/2006 school year. Legislative action taken in July, 2004 reduced class size in grade 3 to 21 or fewer students.

Previous legislative action had already reduced class size in grades K - 2 to 21 or fewer students. This reduction in class size requirements for all grades K-3 reduces the number of students that can be legally placed within K-3 classrooms, effectively reducing the number of K-3 seats available within all elementary schools. The adjustment in capacity is a reflection of all of these actions.

	IF: Nover	nber 15, 2004	- November	4, 2005				
	110101	15, 2001	- I TO TO I I I	111, 2000				
Mad 11.	** 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	24052-20003 5-430-045	200 & 2004 Requested Capacdy	2994-2895 Reports 0 Capacits	2005-2006 Kryta sted Capacity	2006-2007 Requested Capacity	Institution Institut. 4	Membership referenced school year
	136,000 107,620		740 726	THE PROPERTY OF THE PARTY				
	243,620	Andrew Comments						
e review and 2	2003 Plannen	and School Rep	base year the boar resentative Techr of this form that	nical Advisory C	ommittee Report	rtified capacities as . These capacities	part of the Scho will remain effec	of Facilities Task tive until changed
stificatio	n:	No change	in capacity.					
			-					
	······································							
pacity Co	Lan	lon: <u> </u>	04			M	Socc Chair	y/ /// Date
mbership	p Certifi	cation:	Priori services successor and an activation and activation activation and activation activation and activation activation activation and activation activat		t erre erre en transmisse gevalle en		1,	francisco (m. 1865). 1
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School District: O	range County Schools			
School Year: Nove	and the second s			
		1999 C. Thurson S. T. 1984	Chang tang <mark>jan</mark> a Tang tang	Montership
			A Company	
21.52		1,518 1,000		
Secretary Control	namingaloman Markellanguak	7. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.		
For the sales	BERTHARD SE			i de la companya de l
10000				
420,40		and the second of the second o	San State Committee Commit	Allegan and the second second second
· •			ndent-certified capacities as part of the	
		e Technical Advisory Committees rm that is certified by the BOCO	e Report. These capacities will remain	effective until changed
		Ť		
lustification:	No change in capa	city.		
			William Control of the Control of th	
Capacity Certifica	tion:			
Capacity Certifica			Mon	1
D. Carre			Maxi	Coreys
Capacity Certifical Superintendent	11-16-04- Date		Mays Bocc c	Crey Date
Superintendent Constitution	11-16-04 Date	and the state of t	Mays Bocc o	hair Date
Superintendent Constitution	11-16-04 Date Scation:	and a second and the	Moss Bocc o	Crey Date
D. Come	11-16-04 Date	ette og en	Mans Bocc o	hair Date

School APFO Capacity Calculation and Change Request Form

School Pear: November 15, 2004 - November 14, 2005

Elementary School	Square Feet	2002-2003 Capacity	2003-2004 Requested Capacity	2004-2005 Requested Capacity	2005-2006 Requested Capacity	2006-2007 Requested Capacity	Justification Footnote#	Membership (referenced school year)
Carrboro	60,832	563	563	563				590
Ephesus	66,952	472	472	472				428
Estes Hills	56,299	549	549	549				473
Glenwood	50,764	445	445	445				564
FP Graham	63,541	570	570	570			·	422
McDougle	98,000	596	596	596				590
Rashkis	94,234	0	619	619				454
Scroggs	90,980	609	609	609				645
Seawell	52,896	498	498	498				529
Total	634,498	4,302	4,921	4,921	0.000	0		4,695

Special Note: For the Nevember 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:

An increase in capacity of 619 at Rashkis Elementary was completed prior to the start of the 2003-04 school year in accordance with the CIP.

The above numbers reflect school capacity without consideration of state class size reductions in grades K-3

Capacity Certificat	ion:		
Superintendent	Date	BOCC Chair	Date
Membership Certifi	cation:		
Superintendent	Date	BOCC Chair	Date

School Distric	t: Chapel Hill-Carrboro City Schools
School Year:	November 15, 2004 – November 14, 2005

Elementary School	Square Feet	2002-2003 Capacity	2003-2004 Requested Capacity	2004-2005 Requested Capacity	2005-2006 Requested Capacity	2006-2007 Requested Capacity	Justification Footnote#	Membership (referenced school year)
Carrboro Ephesus Estes Hills Gienwood FP Graham McDobres Rasnics Scroggs Scawall	60,832 66,952 56,299 50,764 63,541 98,000 94,234 90,980 52,896	472 549 445 570 596 009	563 472 549 445 570 596 619 498					590 428 473 564 422 590 454 529
TOTAL THE REPORT	634,498	4,302	4921	4,659		0.0	ngora da	4,695

Special Note: 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:

An increase in capacity of 619 at Rashkis Elementary was completed prior to the start of the 2003-04 school year in accordance with the CIP.

Legislative action taken in July, 2004 reduced class size in grade 3 to 21 or fewer students.

Previous legislative action had already reduced class size in grades K - 2 to 21 or fewer students. This reduction in class size requirements for all grades K-3 reduces the number of students that can be legally placed within K-3 classrooms, effectively reducing the number of K-3 seats available within all elementary schools. The adjustment in capacity is a reflection of all of these actions.

Capacity Certification	: / 2-20-0 Y		
Superintendent	Date	BOCC Chair	Date
Control of the second state of the suggestion of the control of th	and growing that having out to the con-	$(\mathbf{t}^{(m)}) = (\mathbf{t}_{i_1} \otimes \mathbf{t}_{i_2} \otimes \cdots \otimes \mathbf{t}_{i_m}) = 0$	
Membership Certificat	tion:		
Neil I Perla-	12-24-07		_
Superintendent	Date	BOCC Chair	Date

School Distri	ct: Chap	el Hill-Carrbo	oro City Scho	ols				
School Year:		nber 15, 200						
			2002.2004	2007 2002	2005-2006	2006-2007		Membership
**************************************	Square	2002-2003	2003-2004 Requested	2004-2005 Requested	Requested	Requested	Justification	(referenced
Middle School	Feet	Capacity	Capacity	Capacity	Capacity	Capacity	Footnote#	school year)
Culbreth	104,798	670	670	67.0				616
McDougle	136,221		732	732				639
Phillips	109,498			j		apagan manangan ma Kabupatèn kabupatèn		681
Smith 41544	128,764	732	732	732				
Total	479,281	走2,840	2,840	2,840		阿斯姆姆斯0		1 1 1 1 1 1 1 1 1 1
Special Note: Fo	r the Novem	ber 15, 2002 base	e year the board	accepted the supe	rintendent-certi	fied capacities as p	art of the School	Facilities Task
Force review and 2003 by (1) the School CIP	3 Planners at or (2) an am	nd School Repress ended version of	entative Technic this form that is	al Advisory Com- certified by the B	miliee Report OCC	These capacities w	ili femain effecu	ve unui changeo
Justification:	:	No change i	n capacity re	equested				
								•

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			V					
						<u></u>		
Capacity Cer	tificatio	on:						
N In Y	11							
14/11/2	ella	12-20-04						
Superintendent	6.K	Date				•	BOCC Chal	r Date
un diene assessitz den	tions atros	an interpretation of the contraction of the contrac	1	THE MITTER CONTRACTOR	with the same of the	Land to	4 1 m m m	
Membership	Certific	ation:						
Mulh Th	de	12-70-1	y					
Superintendent		Date	Į.			•	BOCC Chai	r Date

School Distric								
School Year:	Nove	mber 15, 20	04 – Novem	ber 14, 2005		•		
High School	Square Feet	2002-2003 Capacity	2003-2004 Requested Capacity	2004-2005 Requested Capacity	2005-2006 Requested Capacity	2006-2007 Requested Capacity	Justification Footnote#	Membership (referenced school year)
Ghapel Hill Bast Ghapel Hill	241,111 258,985		1,520					1,637 1,637
Total	500,096	3,035	3,035	3,035		11.22: 13.120		3,422
by (1) the School CIP of		No change i						
Capacity Cert Superintendent	ificatio	on: <u> Z - Z v</u> Date	7			•	BOCC Chair	Date
Membership (MUS M Superintendent	11			क्षा गाँव व्यवस्थाः व्यवस्थाः गायमान्यं	erregings systement for employe	gradia apinta erotabi gamisto	BOCC Chair	

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.
- 2. Definition The date at which student membership is calculated. This date is updated each year and also serves as the basis for projections along with the history from previous years. "For purposes of this Memorandum, the term "school membership" means the actual number of students attending school as of November 15 of each year. The figure is determined by considering the number of students enrolled (i.e. registered, regardless of whether a student is no longer attending school) and making adjustments for withdrawals, dropouts, deaths, retentions and promotions. Students who are merely absent from class on the date membership is determined as a result of sickness or some other temporary reason are included in school membership figures. Each year the School District shall transmit its school membership to the parties to this agreement no later than five (5) school days after November 15.

3. Standard for:

Standard for:

Chapel Hill Carrboro School District

Orange County School District

November 15 of each year

November 15 of each year

4. Analysis of Existing Conditions

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

This date may sometimes occur on a weekend (as it did in 2003) and is not a typical date for membership census and recordation. An earlier date such as the "40th day" membership may be suggested in future years so data can be analyzed earlier to assist in school CIP needs assessment.

5. Recommendation - No change at this time

Recommendation - 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 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.
- Definition The process and resultant program to determine school needs and provide funding for new school facilities through a variety of funding mechanisms.
- 3. Standard for:

Standard for:

Chapel Hill Carrboro 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. The plan includes funding for CHCCS High School #3 (2007), funding recognition of CHCCS Elementary School #10 (2009), and funding for OCS Middle School #3 (2006). A new Capital Investment Plan is currently under development for approval prior to June 30, 2005.

5. Recommendation -

Not subject to staff review

B. Student Projection Methodology

1. Responsible Entity for Suggesting Change – This section is reviewed and recommended by the Planning Directors, School Representatives, Technical Advisory Committee years to determine total membership at each combined school level (Elementary, Mindule and High School) which take into consideration historical membership totals at a specific time (November 15) in the school year. These methods are also known as 'models'.

3. Standard for:

Standard for:

Chapel Hill Carrboro School District

Orange County School District

Presently, the <u>average of five models</u> are 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 describes 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.2 shows the performance of the models for the 2004-5 school year from the prior year projection (i.e., only a one year projection). After which, a summary of each model is provided.

5. Recommendation -

No Change from above standard.

School District:	Orange County	The contract of the contract o
Year/Date Issued:	11/22/04	
Year/Date Based:	November 15, 2004-2005	
Years Projected:	2006-2015	
A. Projection Type:	Tischler Linear	
1. Projection	Mathematical Formula	•
Description/	Straight Line Projection	
Characteristics:		
2. Projection Formula:	y = ((c*b)*x)+b	:
	(y = Projected Population; c = 1	Historical Annual Change; b = Base Year; x =
	Projection Years)	
	*	
3. Projection	Historical growth is reflect	ed in projected projeth
Assumptions:		High taken from SYE 2005 and held
,	constant throughout	
4. Average Annual	1.48%	Note: this is an average annual growth rate over ten years
Growth Rate:		
5. Attachments:		
6. Projection Performed:	By: Brian Carson	Date: 11/22/04
7. Projection Reviewed:	Ву:	Date:
8. Projection Certified:	-	
9. Comments:		
	· · · · · · · · · · · · · · · · · · ·	

School District:	Oran	ge Cou	inty	***************************************						one AMMINISTRATION
Year/Date Issued:	12/0	9/2004								
Year/Date Based:	Nove	ember l	5, 2004-	2005						- L Middenstander v.
Years Projected:	2006	2006-2015								
A. Projection Type:	OCP	Linear	Wave							
1. Projection	Math	nematic	al linear	with pe	rcent va	ariatio	on amo	ng schoo	l le	vels.
Description/	Refle	ecting p	rogressi	ng wave	s of me	embe	rship.			
Characteristics:							***************************************			
2. Projection Formula:	-		T – 15(n					%SL = 1		
		***************************************								hip increment
			***************************************			***************************************				SL = % of total
			er schoot t vool level	evel (i.e.,	element	ary, m	ddle, hig	(h); EYM/S	SL =	Ensuing year
3. Projection			owth ref							
Assumptions:	***************************************					ses in	housin	ig growti	1.	
	Refle	cts bui	dout cor	istraints	*					

4. Average Annual	1.69	%								
Growth Rate:	ASGR	= (2015	PM - 200)5 AM)/1	0 = 158.:	5	(ASGR	= Annual S	Stua	lent Growth Rate;
	PM =	Projecte	d Member	ship, AM	= Actua	il Mem	bership)		//	
5. Attachments:	a) Pro	ojection	s (includ	les: Tot	al, Elen	nenta	ry, Mid	dle, and	Hig	;h)
		1								
6. Projection Performed:	By:	Brian	Carson		****			Date:	1	2/09/2004
7. Projection Reviewed:	By:			-			William .	Date:		
8. Projection Certified:										
9. Comments:									*****	
								· · · · · · · · · · · · · · · · · · ·		

School District:	Orange County
Year/Date Issued:	November 16, 2004
Year/Date Based:	November 15, 2004-2005
Years Projected:	2006-2015
A. Projection Type:	3 Year Cohort
1. Projection	Mathematical formula that computes the average advancement rate over
Description/	the previous 10 years for each grade level and then uses each rate to calculate
Characteristics:	projected membership by school level. An assumed kindergarten membership is based on birth records and/or historical growth rates.
2. Projection Formula:	$K_n = K_{n-1} + (K_{n-1} * 0.01)$ $a = (\sum_{n=1}^{n=1} G_n / g_{n-1})/10$ $b = g_{n-1}(a)$
	K=Kindergarten membership, n=Gtven school year, G=Given grade's membership
	(other than Kindergarten), g=Previous grade's membership, a=Average advancement
	rate, b=Projected membership
3. Projection Assumptions:	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.
4. Average Annual Growth Rate:	1.32% Note: This is an everage annual rate over all school levels over ten years.
5. Attachments:	
6. Projection Performed:	By: Scroggs, Benedict, Dean Date: 11/16/2004
7. Projection Reviewed:	By: Date:
8. Projection Certified:	
9. Comments:	

School District:	Orange County			
Year/Date Issued:	November 16, 2004			
Year/Date Based:	November 15, 2004-2005			
Years Projected:	2006-2015			
A. Projection Type:	5 Year Cohort	han dan said "Adalian muunumus saas sa sa sa		
1. Projection	Mathematical formula that computes the average advancem	ainst mate action		
Description/	the previous 10 years for each grade level and then uses eac			
Characteristics:	projected membership by school level. An assumed kinder			
	is based on birth records and/or historical growth rates.			
2. Projection Formula:	$K_{\kappa} = K_{\kappa-1} + (K_{\kappa-1} * 0.01)$ $a = (\sum_{\kappa=10}^{\kappa-1} G_{\kappa} / g_{\kappa-1})/10$ $b = (\sum_{\kappa=10}^{\kappa-1} G_{\kappa} / g_{\kappa-1})/10$			
	K=Kindergarten membership, n=Given school year, G=Given gra			
	(other than Kindergarten), g=Previous grade's membership, a=Average advancement			
	rate, b=Projected membership			
3. Projection Assumptions:	Assumes a 1% annual growth rate for the kindergarten Assumes the same percentage of students in each grade to the next level each year.			
4. Average Annual Growth Rate:	0.62% Note: This is an average annual rate over all school	l levels over ten years.		
5. Attachments:				
6. Projection Performed:	By: Scroggs, Benedict, Dean Date:	: 11/16/2004		
7. Projection Reviewed:	By: Date:	1		
8. Projection Certified:				
9. Comments:				

School District:	Orange County			
Year/Date Issued:	November 16, 2004			
Year/Date Based:	November 15, 2004-2005			
Years Projected:	2006-2015			
A. Projection Type:	10 Year Cohort			
1. Projection	Mathematical formula that computes the average advancement	t rate over		
Description/	the previous 10 years for each grade level and then uses each r	rate to calculate		
Characteristics:	projected membership by school level. An assumed kindergar	ten membership		
	is based on birth records and/or historical growth rates.			
2. Projection Formula:	$K_s = K_{s-1} + (K_{s-1} * 0.01)$ $a = (\sum_{s=10}^{s-1} G_s / g_{s-1})/10$ $b = g$	$g_{n-1}(a)$		
	K=Kindergarten membership, n=Given school year, G=Given grade	e's membership		
	(other than Kindergarten), g=Previous grade's membership, a=Average advancement			
	rate, b=Projected membership			
3. Projection Assumptions:	Assumes a 1% annual growth rate for the kindergarten grade leads to the next level each year.			
4. Average Annual Growth Rate:	0.69% Note: This is an average annual rate over all school le	vels over ten years.		
5. Attachments:				
6. Projection Performed:	By: Scroggs, Benedict, Dean Date:	11/16/2004		
7. Projection Reviewed:	By: Date:			
8. Projection Certified:				
9. Comments:	·			

School District:	Chapel Hill - Carrbo	ro		S
Year/Date Issued:	12/09/2004			
Year/Date Based:	November 15, 2004-	2005		
Years Projected:	2006-2015			
A. Projection Type:	Tischler Linear			
1. Projection	Mathematical formul	a		
Description/	Straight line projection	OTI.		
Characteristics:				
2. Projection Formula:	y = ((c*b)*x)+b		***	
5. I Tojecuon Pormuna.		n; c = Historical Annual Change;	h = Rasa	Year: x =
	Projection Years)	,		
3. Projection		eflected in projected growth		
Assumptions:		e, and High taken from SYE	2004 a	nd held
	constant throu	ghout projection.		
4. Annual Growth Rate:	2.45%	Note: this is an average annual g	rowth rai	e over ten years
5. Attachments:	a) Projections (includ	es: Total, Elementary, Middl	le, and I	ligh)
6. Projection Performed:	By: Brian Carson		Date:	12/09/2004
7. Projection Reviewed:	By:		Date:	
8. Projection Certified:				
9. Comments:				
•				

School District:	Chapel Hill - Carrboro		**************************************	
Year/Date Issued:	12/09/2004			
Year/Date Based:	November 15, 2004-2005			
Years Projected:	2006-2015			
A. Projection Type:	OCP Linear Wave			
1. Projection	Mathematical linear with percent variation amo	ong school	levels.	
Description/	Reflecting progressing waves of membership.			
Characteristics:				
2. Projection Formula:	$BYM + (BYI - 15(n)) = EYM \qquad EYM :$	x %SL = E	YM/SL	
	(BYM = Base year 2 nd month membership; BYI = year st	udent memb	ership increment	
	base (315); EYM **Ensuing year membership; n ** Proje			
	membership per school level (i.e., elementary, middle, hi member by school level	gh), EYM/S	L = Ensuing year	
	memoer by school level			
3. Projection	Base year growth reflects 10-year average.			
Assumptions:	Increase in BYI of 5 reflects decreases in housing growth.			
	Reflects buildout constraints.	<u> </u>		
4. Average Annual	1.86 %			
Growth Rate:		= Annual S	tudent Growth Rate:	
	PM = Projected Membership, AM = Actual Membership)			
5. Attachments:	a) Projections (includes: Total, Elementary, Mic	ddle, and l	ligh)	
6. Projection Performed:	By: Brian Carson	Date:	12/09/2004	
7. Projection Reviewed:	Ву:	Date:		
8. Projection Certified:				
9. Comments:				
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School District:	Chapel Hill - Carrboro			
Year/Date Issued:	November 16, 2004			
Year/Date Based:	November 15, 2004-2005			
Years Projected:	2006-2015			
A. Projection Type:	3 Year Cohort			
1. Projection	Mathematical formula that computes the average advancement rate over			
Description/	the previous 10 years for each grade level and then uses each rate to calculate			
Characteristics:	projected membership by school level. An assumed kindergarten membership			
	is based on birth records and/or historical growth rates.			
2. Projection Formula:	$K_n = K_{n-1} + (K_{n-1} * 0.01)$ $a = (\sum_{n=1}^{n=1} G_n / g_{n-1})/10$ $b = g_{n-1}(a)$			
	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			
3. Projection Assumptions:	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.			
4. Average Annual Growth Rate:	0.95% Note: This is an average annual rate over all school levels over tan years.			
5. Attachments:				
6. Projection Performed:	By: Scroggs, Benedict, Dean Date: 11/16/2004			
7. Projection Reviewed:	By: Date:			
8. Projection Certified:				
9. Comments:				

School District:	Chapel Hill - Carrboro	The second secon
Year/Date Issued:	November 16, 2004	
Year/Date Based:	November 15, 2004-2005	
Years Projected:	2006-2015	
A. Projection Type:	5 Year Cohort	
1. Projection Description/ Characteristics:	Mathematical formula that computes the average advancement returned the previous 10 years for each grade level and then uses each rate projected membership by school level. An assumed kindergarter is based on birth records and/or historical growth rates.	e to calculate
2. Projection Formula:	$K_n = K_{n-1} + (K_{n-1} * 0.01)$ $a = (\sum_{n=0}^{n-1} G_n / g_{n-1})/10$ $b = g_n$	₋₁ (a)
₩	K-Kindergarten membership, n=Given school year, G=Given grade's	membership
	(other than Kindergarten), g=Previous grade's membership, a=Average	ze advancement
	rate, b=Projected membership	
3. Projection Assumptions:	Assumes a 1% annual growth rate for the kindergarten grade. Assumes the same percentage of students in each grade level to the next level each year.	
4. Average Annual Growth Rate:	1.63% Note: This is an average annual rate over all school leve	is over ten years.
5. Attachments:		
6. Projection Performed:	By: Scroggs, Benedict, Dean Date:	11/16/2004
7. Projection Reviewed:	By: Date:	
8. Projection Certified:		
9. Comments:		

School District:	Chapel Hill	- Carrboro			1971 sate of the second se
Year/Date Issued:	November 1	6, 2004			
Year/Date Based:	November 1	5, 2004-2005			
Years Projected:	2006-2015				
A. Projection Type:	10 Year Coh	nort			
1. Projection		formula that cor			
Description/		10 years for each mbership by scho			
Characteristics:		irth records and/o			en meunzessup
2. Projection Formula:	$K_n = K_{n-1} + \epsilon$	$(K_{s-1}*0.01)$	$a=(\sum_{n=1}^{n-1}G_n/g$	$g_{n-1})/10 b = g$	$Q_{s-1}(a)$
	K=Kindergarte	en membership, n	Given school year	. G=Given grade	's membership
	(other than Kin	ndergarten), g=Pre	vious grade's mei	nbership, a=Aver	age advancement
	rate, b=Projected membership				
2 Destantan	A.aarinaaa a 1	0/	la mata formatica le	indonesias sur	nda larrol
3. Projection Assumptions:	Assumes a 1% annual growth rate for the kindergarten grade level. Assumes the same percentage of students in each grade level graduate				
Assumptions.	to the next level each year.				
4. Average Annual Growth Rate:	1.54%	Mote: This is a	n average annual n	ile over all school le	vals over len years
5. Attachments:	***************************************			,	
6. Projection Performed:	By: Scrog	gs, Benedict, De	an	Date:	11/16/2004
7. Projection Reviewed:	Ву:			Date:	
8. Projection Certified:					
9. Comments:					