Integrated Planning For School and Community

Pitt County Schools Update 2010-11
Reassignment Education Meeting
June 7, 2010

Operations Research and Education Laboratory
Institute for Transportation Research and Education
Centennial Campus
North Carolina State University
Pitt County Schools: 2011-12 Reassignment Plan

Upcoming meetings (from PCS website):

June 7, 2010

In an attempt to help educate our community regarding the history and process utilized for student reassignment, the Board of Education approved the addition of a meeting on June 7, 2010 at 5:00 p.m.

Mike Miller, OREd Program Manager, will be present at this meeting to share information related to the process. OREd (Operations Research and Education Laboratory) is a part of the Institute for Transportation Research and Education at North Carolina State University.

July 1, 2010

Board workshop to present Exploratory Scenarios and discuss impact/concerns/questions

Workshop to include current Board of Education members, newly elected Board of Education members, representatives from Greenville Parents Association and Representatives from Coalition for Educating Black Children at table. Others may attend to observe.
Pitt County Schools: 2011-12 Reassignment Plan

- Background
- Process
- Methodology
Pitt County Schools: 2011-12 Reassignment Plan

Background

- OREd, PCS, and IPSAC
- 2008-09 Growth Management Committee and Land Use Study
- 2009-10 Out-of-Capacity Table
Challenges in School Planning

- School facility planning is often carried out within a complex, multi-layered, and poorly articulated environment.

- The layers are qualitative and subjective, where even the best information is incomplete and constantly shifting.

- School boards are subject to very specific, externally imposed limitations on their decisions when planning facilities and setting attendance boundaries.

- School boards often change their decisions as they acquire new pieces of information. This invites negative press and erodes public confidence.

- The failure to fully grasp all relevant information makes it impossible for the school board to articulate and defend its recommendations to the public.

- This can have disastrous consequences when the budget must be approved or when school construction bond referenda are put before a public vote.
Operations Research and Education Laboratory

OREd was founded in 1990 by Dr. Raymond Taylor (Professor Emeritus, College of Education) to scientifically address politically sensitive school planning issues such as district membership projections, determining the location of new school sites, creating new attendance boundaries and demographic balance.

OREd has been working with Pitt County Schools since 1990.
<table>
<thead>
<tr>
<th>School System</th>
<th>Years</th>
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<tbody>
<tr>
<td>Alamance–Burlington School System</td>
<td>02, 03, 06, 07, 08, 09</td>
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<tr>
<td>Asheboro City Schools</td>
<td>04, 05, 06, 07</td>
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<tr>
<td>Berkeley County Schools, SC</td>
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<td>04</td>
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<td>Buncombe County Schools</td>
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<td>Brunswick County Schools</td>
<td>03, 04</td>
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<td>Carteret County Schools</td>
<td>09**</td>
</tr>
<tr>
<td>Chapel/Carrboro Schools</td>
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<td>Cumberland County Schools</td>
<td>08, 09*</td>
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<td>Cleveland County Schools</td>
<td>08</td>
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<td>Currituck County Schools</td>
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<td>Duplin County Schools</td>
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<td>Durham Public Schools</td>
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<td>Franklin County Schools</td>
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<td>Hoke County Schools</td>
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<td>Lee County Schools</td>
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<td>Lenoir County School</td>
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<td>Robeson County Schools</td>
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<td>Rowan County Schools</td>
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<td>Pitt County Schools</td>
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<td>Tupelo Public Schools, MS</td>
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<td>Wayne County Schools</td>
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<td>Wake County Public School System</td>
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*** denote projects conducted as part of the Base Realignment and Closure (BRAC) activity through the BRAC Regional Task Force in Fayetteville, North Carolina

** denote projects conducted as part of the Military Growth Task Force of North Carolina’s Eastern Region in Jacksonville, North Carolina
Integrated Planning for School and Community (IPSAC)

Data-driven and policy-based model for forecasting school enrollment and determining the optimal locations for new schools and attendance boundaries.

- Forecasting
- Land Use Studies
- Out-of-Capacity Analysis
- Attendance Boundary Optimization
- School Site Optimization
PCS Growth Management Committee

Planning for Growth in PCS

- April – October 2008
- County and municipal stakeholders
- Final GMC recommendations on Oct. 22, 2008
- Recommendation used to guide PCS Long-Range Facilities Plan 2009
- Report available: www.pitt.k12.nc.us (Search: LRFP)
Guiding Principles – PCS LRFP 2009 (revised 10/09)

• Provide adequate student capacity for future enrollment growth and utilize existing capacity within attendance areas and grade levels.
• Reduce the number of mobile classrooms.
• Improve all existing facilities to modern standards of function and condition.
• Achieve a configuration of grade levels and school sizes throughout the District that allows for equitable and adequate academic programming, staffing and operational options for students in all schools.
• Move towards school capacities that are within 85% to 95% of DPI standard profiles for schools.
• Limit school size to within 20% of original core capacity unless major renovations can be sustained and infrastructure can support.
• Establish feeder patterns where a school feeds no more than two schools and high school attendance areas do not restrict elementary and middle school lines.
• Provide timeline that projects future facility decisions and implications on proposed grade levels and attendance areas.
2008-09 IPSAC Land Use Study

• Community Interviews - Include stakeholders and communities’ perceptions on growth issues in the county
• GIS Analysis - Validate perceptions through Geographic Information Systems data analysis
• Articulate growth potential in terms of school attendance zones (Allocation of Gain)
  ✜ What is the forecasted enrollment for each school?
  ✜ Which schools will be out of capacity and when?
2008-09 IPSAC Land Use Study

• Community Interviews conducted July 2008.
  ✐ County and municipal Planning Depts.
  ✐ Utilities and Engineering Depts.
  ✐ Community and county development
  ✐ Chamber of Commerce
• Additional data collected:
  ✐ GIS parcel, subdivision, and plat data
  ✐ DOT
  ✐ State, county, municipal demographic data
• Report available: www.pitt.k12.nc.us
  (Search: Land Use Study)
Allocation of Gain
2008-09 PCS IPSAC

SGP Mean: 0.57 std/subd unit
SGP Range: 0.21 – 1.22
AOG Range: 0.9% - 15.9%
- Resident Live Births:
  - Increase of 46 RLB per year

- Average Daily Membership:
  - Increase of 314 K-12 students per year

2009-10 IPSAC Update
Jan 20, 2010
System-wide K-12 Forecast

Enrollment Forecast

Average historical annual growth rate: 1.32%
Average projected annual growth rate: 1.56%
## Out-of-Capacity Table (100% Capacity)

### Grades K-5
- **Aydin Elem (PK-5)**
- **Belveder Elem (PK-5)**
- **Creekside Elem (PK-5)**
- **Eastern Elem**
- **Emhurt Elem (PK-5)**
- **Falkland Elem**
- **H B Beaulieu Elem (PK-5)**
- **Northeast Elem (PK-5)**
- **Ridgewood Elem**
- **Surf-Saucier Elem (PK-5)**
- **Sam D Burley Elem (K-5)**
- **South Greenville Elem**
- **VH Robinson**
- **Wahl Coates Elem (PK-5)**
- **Wintergreen Prim (K-2)**
- **Wintergreen Int (K-5)**

### Grades K-8
- **Boethel (PK-8)**
- **Chicod**
- **G R Whitfield**
- **Giffin**
- **Pastolus (K-8)**
- **Stokes (PK-8)**

### Grades 9-12
- **A G Cox Mid**
- **Aydin Mid**
- **C M Epps Mid**
- **E B Aycock Mid**
- **Farmville Mid**
- **Hope Mid**
- **Valentine Mid**

### Special/Alternative Schools
- **PCMH (PK-12)**

### System Totals

<table>
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<th>Capacity Legend</th>
<th>&lt; 96%</th>
<th>96% - 100%</th>
<th>100% - 106%</th>
<th>&gt; 106%</th>
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</table>

### Notes
- Capacity supplied by PCS - January 2010.
- 100% capacity.
- Optimal CSR weighting. Average annual K-12 gain: 1.56%.

### 2009-10 IPSAC Update
Jan 20, 2010

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Operations Research and Education Laboratory
Institute for Transportation Research and Education
North Carolina State University
## Out-of-Capacity Table

### (90% Capacity)

<table>
<thead>
<tr>
<th>Grades</th>
<th>Capacity</th>
<th>Month 1</th>
<th>Projected Month 1 AC</th>
<th>Cap/Growth %</th>
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<tr>
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<td>666</td>
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**Note:** All grades are at 90% capacity as of the IPSAC Update on Jan 20, 2010.