

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: October 14, 2013

AGENDA ITEM No. 13-10-11

ACTION: (Y/N) N

SUBJECT: Orange County Economic Development Presentation

INFO. CONTACT: Denise Morton / Steve Brantley, Economic Dev. Dir. PHONE: (919)732-8126

ATTACHMENTS: 1. Orange County Economic Development Power Point

PURPOSE: To have the Board of Education hear for informational purposes, a presentation from the Director of Economic Development for Orange County that focuses on local economic development as well as a future economic forecast for the county.

BACKGROUND: During the 2012-2013 school year, the Orange County Director of Economic Development agreed to serve on a school district task force that reviewed the Career-Technical Education (CTE) program. As part of his work on the task force, he delivered several presentations – in March 2013, he spoke to the members of the task force and in August 2013, he spoke to the Career-Technical Education teachers, guidance counselors and other community members to help them understand the current and future economic trends in the county. The information he provided was very important as it helped district leaders determine which CTE programs are viable and which should be deleted based on economic trends. His information was also valuable to middle and high school guidance counselors who can use the information to help students decide future goals.

He has been asked to speak to the Board of Education to educate them about local economic development and provide information on his forecast for the future for county job growth.

FINANCIAL IMPACT: none

RECOMMENDATION: The Superintendent recommends that the Board of Education hear for information the Orange County economic development presentation.

**Orange County Schools
Career and Technical Education
Program Review**

**Local Economic Development
Update & Orange County
Forecast**

**Presented by Steve Brantley, Director,
Orange County Economic Development
August 21, 2013**

***North Carolina Department of
Commerce – 6 Key Growth
Industries/Technology Clusters***

o Aerospace, Aviation & Defense

Advanced composite materials
manufacturing, R&D, logistics,
information technology, aircraft
assembly and repair, jet engine
assembly & maintenance.

Honda Aircraft, Honda Aero GE Turbine
Engines, TIMCO, General Dynamics,
Bridgestone Aviation Tire

● ● ● | ○ **Automotive, Truck & Heavy Equipment Parts & Vehicles**

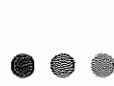
Auto parts manufacturing for car, diesel truck & school bus assembly, heavy earthmoving equipment & farm equipment manufacturing.

AKG, Honda Power Equipment/HPE, Freightliner, GKN Automotive, Thomas Built Buses, AW North Carolina, Deere-Hitachi Construction Machinery, Caterpillar, LS Tractor, John Deere

● ● ● | ○ **Biotechnology, Pharmaceuticals & Life Sciences**

Production, R&D, materials handling, clinical trials, packaging, compliance, tablet & injectable manufacturing, etc.

Quintiles, Merck, GSK Smith Kline, Biogen Idec, Bayer Crop Science, BASF, United Therapeutics, Pfizer, National Institute of Environmental Health Sciences/NIEHS, Novo Nordisk, Becton Dickinson/BD, Duke, UNC, Eisai, Lab Corp.



o **Energy & "Green" Technology**

Strata Solar, Duke Progress Energy,
Piedmont EMC, GE Energy Solutions,
Chemtex, PSNC Natural Gas,
ElectriCities, Touchstone Energy,
Enviva, Armacell

o **Information & Communications
Technology**

(Data centers, IT, telecom, software)
Google, Apple, Facebook, Deutsche
Bank Global Technology, IBM,
Blackberry RPM, AT&T, Century Link



o **Business & Financial Services**

Accounting, software design, marketing,
server & IT maintenance, lending.

Credit Suisse, Fidelity, American
Express, First Citizens, BB&T,
Accenture, PNC Bank, Blue Cross/Blue
Shield, UNC Physicians & Associates,
Wells Fargo, Bank of America



Research Triangle Regional Partnership – 12 Key Clusters

o **Advanced Medical Care**

Physicians, nurses, technicians, EMTs, pharmacists, critical care givers, therapists, medical secretaries, elder care.

o **Agricultural Biotechnology**

Genomics, genetic engineering, biology, chemistry, botany, medicine, engineering.



o **Analytical Instrumentation**

Pharmaceuticals, optics, life sciences, photonics.

o **Biological Agents & Infectious Diseases**

Pharmaceutical production, R&D, clinical trials, marketing & sales, packaging, compliance.



o **Cleantech**

Clean/green renewable energy, LED lighting, wind & solar power R&D and materials manufacturing, battery storage technology, biomass & biofuel production.

o **Defense Technologies**

E-Learning, software gaming design, engineering, aerospace, flight certification, information technology, microelectronics.



o **Informatics**

3D imaging, analytical software.

o **Interactive Gaming & E-Learning**

Simulation gaming, computer graphics & animation, medical image processing.

o **Nanoscale Technologies**

Ultra-small scale convergence of advanced materials and life science, microelectronic circuits.



o **Pervasive Computing**

Cloud computing, immediate access to wireless technologies and optical communications.

o **Pharmaceuticals**

R&D, clinical trials, production, testing, packaging, sales & marketing, government relations.



o **Advanced Manufacturing**

o Generic description for general manufacturing processes that employ new technologies which improve production efficiencies, reduce energy costs, lower environmental risks, increase worker safety, and require additional training to perform tasks.

● ● ● | **Orange County's Largest
Employers – Private & Public**

Top 25 Private Employers:

Blue Cross Blue Shield of NC	1,239
Sports Endeavors/Eurosport	676
Harris Teeter	489
PHE	316
A Southern Season	314
Carol Woods	309
Food Lion, LLC	300
Wal-Mart Associates	298

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General Electric Corporation	254
Whole Foods Market Group	252
AKG of American	249
Residential Services	236
Performance Chevrolet	234
Chapel Hill-Carrboro YMCA	234
Carolina Inn	233
US Postal Service	228
HR Prime LLC	226
Weaver Street Market	182
Aramark Food	179
Chapel Hill Restaurant	174

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Top Public Employers:

UNC at Chapel Hill	16,217
UNC Health Care System	7,964
Chapel Hill-Carrboro Schools	2,138
Orange County Schools	1,157
Orange County	850
Town of Chapel Hill	912
Town of Carrboro	202
Town of Hillsborough	91

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Recent Examples of New Job Announcements & Expansions By North Carolina Companies

Company	Location	Date	Jobs	Sector
Syngenta	Durham	6-30-13	150	Agribusiness
GE Aviation	Durham	6-9-13	242	Jet Turbine Engines
FCC	Laurinburg	6-9-13	96	Auto Parts
Deutsche Bank	Cary	6-25-13	431	Software
Lenovo	Greensboro	6-11-13	115	PC Assembly
Ipreo	Raleigh	4-16-13	250	Software
Qualicaps	Greensboro	2-26-13	123	Pharma mfg.