

**Colorado Costing Out  
of P-12 Education**

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

**Costing Out**

- Undertaken for Children’s Voices as part of the Lobato case.
- APA worked with Tracie Rainey, she was not representing CSFP
- Work was done from September of 2010 through February 2011

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

**Overview**

- Focused on identifying the resources needed for school districts to fulfill state standards and requirements
  - Results are a handful of numbers that can estimate the needed resources for every district in the state

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Overview

- The standard and requirements “costed” out include all expectations for districts, today and in the near future
  - Districts are not yet being held accountable or fully implementing all of the standards and requirements
    - Examples are CAP4K, Senate Bill 191, and Yearly Growth
  - Focused on the ongoing costs of the standards and requirements not implementation costs

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Overview

- Using most current data on expenditures, 2008-09, and performance, 2009-10
- Study does not include transportation, food service, adult education or capital construction

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Successful School Districts

- SSD only used to identify a base cost figure
- Examined expenditures of the 13 districts identified as “Accredited with Distinction”
- Looked at instruction, administration and plant m & o categories separately
  - Put all current expenditures, less food service and transportation, into one of these three categories
  - Excluded spending for SpEd, at-risk, and ELL

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Successful School Districts

- Ran efficiency screens for each of the three spending areas
  - Based on personnel for instruction and administration
  - Based on actual spending for plant m & o
- Reduced expenditure figures for COL and size adjustments from the formula to get an unadjusted base
  - SSD base is - \$6,051

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Professional Judgment

- PJ can identify the base cost figure and adjustments for special needs
- Held 18 panels with 81 participants
- Panels for many levels – school, special needs, CFO, Ascent/concurrent enrollment, technology, district, statewide
  - Every panel's work was reviewed other than statewide panel
  - Panels did not know dollar amounts, just resource levels

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Professional Judgment

- Panels began work with some resources identified as a starting point, the resource levels came from the Evidence Based approach work
  - Panels could adjust as they saw fit
- Panels started by identifying the costs for a base education and then identifying additional resources for special needs populations

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Professional Judgment

- Applied statewide average salaries, adjusted up 10% to make competitive and a 34% benefit rate
  - Salary adjustment based on an inter-state competitiveness analysis
- Base cost from PJ is \$9,146
- Weights for special needs also generated, will be shown below

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Professional Judgment

- Key Assumptions
  - Full Day Kindergarten
  - Extended time for at-risk students
  - Extended year, 10 days for most students
  - Additional 5 days of PD for teachers, plus \$100 per student

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Professional Judgment

- Four year tech. replacement within a 21<sup>st</sup> century tech environment
  - Netbooks for 4<sup>th</sup> grade and above
  - Support for the 21<sup>st</sup> century environment
- Includes alternative education
- Emphasis on concurrent enrollment and Ascent
- Additional costs identified for pre-school for 3 at-risk 3 and 4 year olds

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Reconciling Bases and Applying Weights

- Since the PJ base cost figure is “costed” using statewide averages, it needs to be adjusted down to create an unadjusted base similar to the SSD base
  - Reduced the PJ base by 1.182 for a base cost of \$7,738
    - 1.182 is the weighted average COL adjustment in the state formula when the Personnel Cost Factor is applied

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Reconciling Bases and Applying Weights

- The PJ base cost figure, \$7,738, represents what is needed to meet all the standards and requirements going forward
- The SSD figure, \$6,051, represents what was spent for by the “successful” districts in 2008-09.
  - Does not include all students meeting standards
  - Does not include CAP4K, Senate Bills 191, 163, and other requirements
- Following Table shows base costs and weights by size

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Reconciling Bases and Applying Weights

| District Size | Size Adjustment | At-Risk Weight | ELL Weight | G/T Weight | SpEd Mild Weight | SpEd Moderate Weight | SpEd Severe Weight |
|---------------|-----------------|----------------|------------|------------|------------------|----------------------|--------------------|
| 156           | 2,269           | 0.35           | 0.564      | 0.300      | 1.24             | 2.37                 | 6.96               |
| 495           | 1,411           | 0.35           | 0.564      | 0.300      | 1.08             | 2.15                 | 6.61               |
| 1,790         | 1,144           | 0.35           | 0.470      | 0.250      | 0.93             | 1.93                 | 5.20               |
| 5,050         | 1,097           | 0.35           | 0.470      | 0.250      | 0.82             | 1.77                 | 5.20               |
| 13,275        | 1,042           | 0.35           | 0.470      | 0.250      | 0.73             | 1.69                 | 5.20               |
| 43,865        | 1,000           | 0.35           | 0.470      | 0.250      | 0.73             | 1.69                 | 5.20               |

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Modeling

- Tried to utilize as much of the current formula as possible
- Funded SpEd, G/T, and ELL through weights
  - Currently funded through categoricals
- Total difference from 2008-09 expenditures
  - PJ - \$3.7 billion with overrides in, \$4.3 billion excluding overrides
  - SSD - \$1.5 billion with override in, \$2.1 excluding overrides

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---

### Modeling

- Does not specify where money comes from, includes state, local and federal sources
- Does not include funding for transportation, food service and capital construction

Augenblick, Palaich and Associates  
4/15/2011

---

---

---

---

---

---

---

---