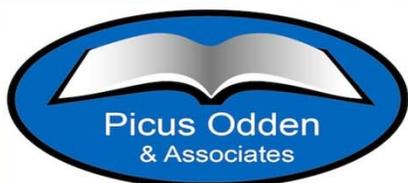


Recalibrating North Dakota's Per Pupil Foundation Figure: Part 1

Presented to the North Dakota Legislature's
Interim Committee on Education Funding
January 28, 2014

Allan Odden
Lawrence O. Picus
Mike Goetz
Picus Odden & Associates



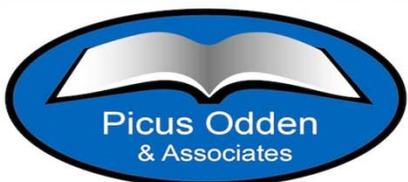
Study: Parts 1 and 2

Part 1:

- Recalibrating the Per Pupil Figure – is it adequate?

Part 2:

- Assessing the degree to which the services in the Picus Odden \$7,293 are actually being delivered
- Assessing whether any adjustments are needed in any of the weights used in the funding formula



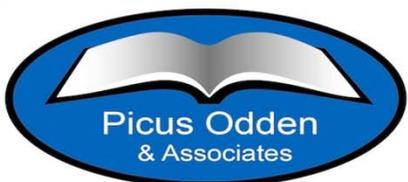
North Dakota Adequacy

- A base of financial support (the foundation expenditure per pupil level) that is adequate to allow school districts to provide a quality education, regardless of where the student lives or how much taxable valuation is available to the local school district.



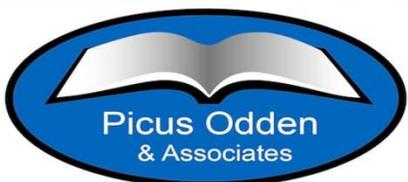
Recalibrating the Per Pupil Number

- Picus Odden and Associates used the Evidence-Based (EB) Model to produce the 2008 number and the updated version to assess the \$8,810 number
- The EB model includes a strategy for improvement, so it not only indicates what could be bought but argues, if so used, student achievement should rise



Key Elements of School Improvement

- Recruiting and supporting effective teachers and principals
- High quality curriculum and related instructional practice
- Classroom resources – books, professional development
- Additional helps for struggling students
- Teachers working in collaborative teams



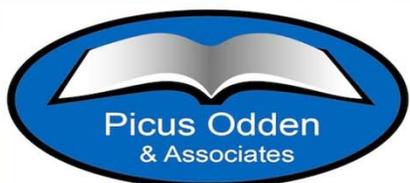
Eleven Strategies to Boost Performance

1. Conduct needs assessment
2. Set higher goals
3. Adopt a new curriculum and identify effective instructional practices
4. Commit to data-based decision making
5. Invest in on-going professional development



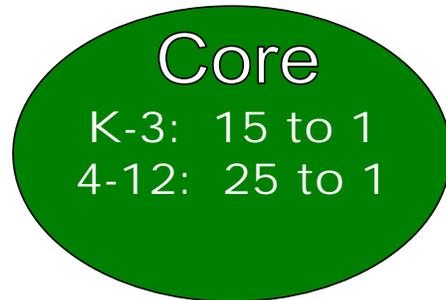
Ten Strategies to Boost Performance

6. Focus class time more efficiently
7. Provide multiple and timely interventions for struggling students
8. Create professional learning communities
9. Empower leaders to support better instruction
10. Take advantage of external expertise
11. Recruit and retain top talent

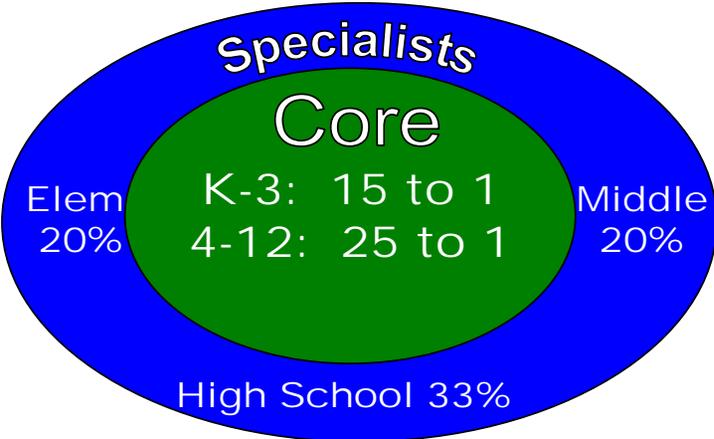


The Evidence Based Model:

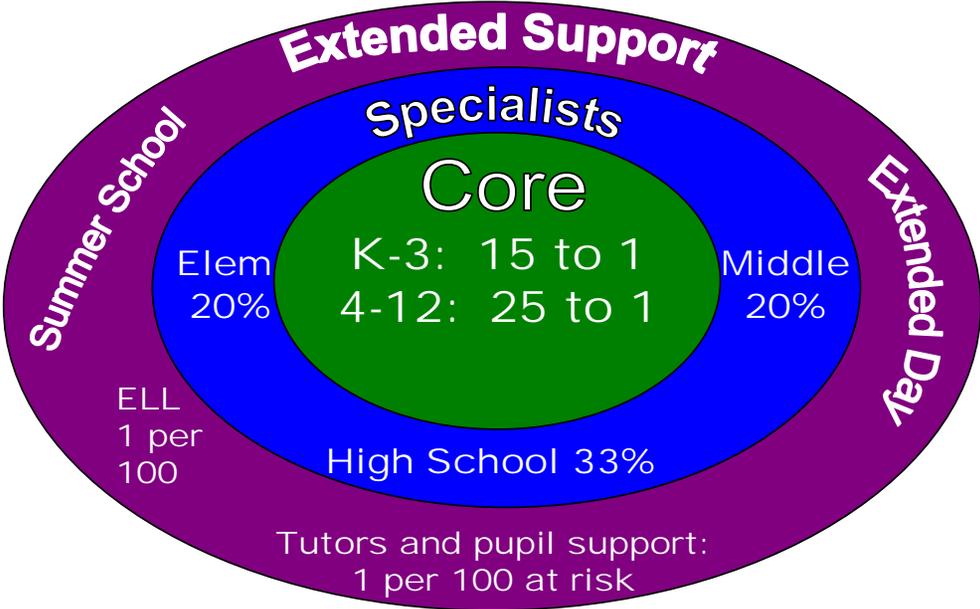
A Research Driven Approach to Linking Resources to Student Performance



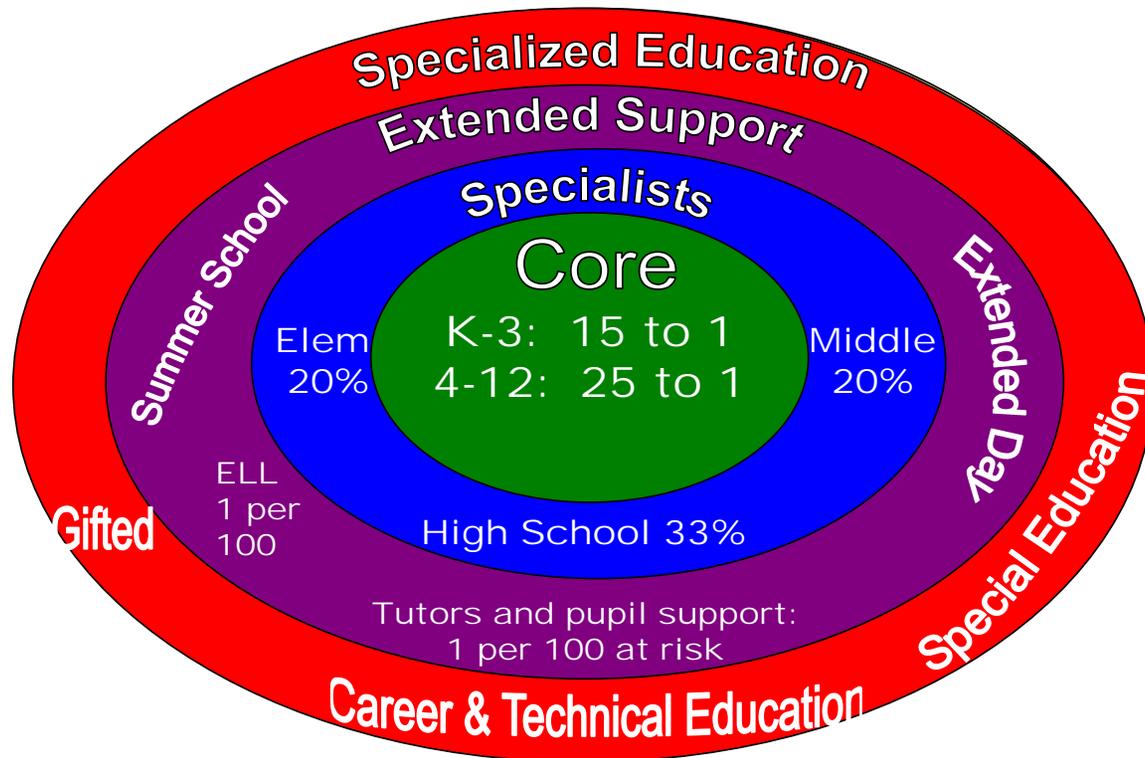
The Evidence Based Model: A Research Driven Approach to Linking Resources to Student Performance



The Evidence Based Model: A Research Driven Approach to Linking Resources to Student Performance

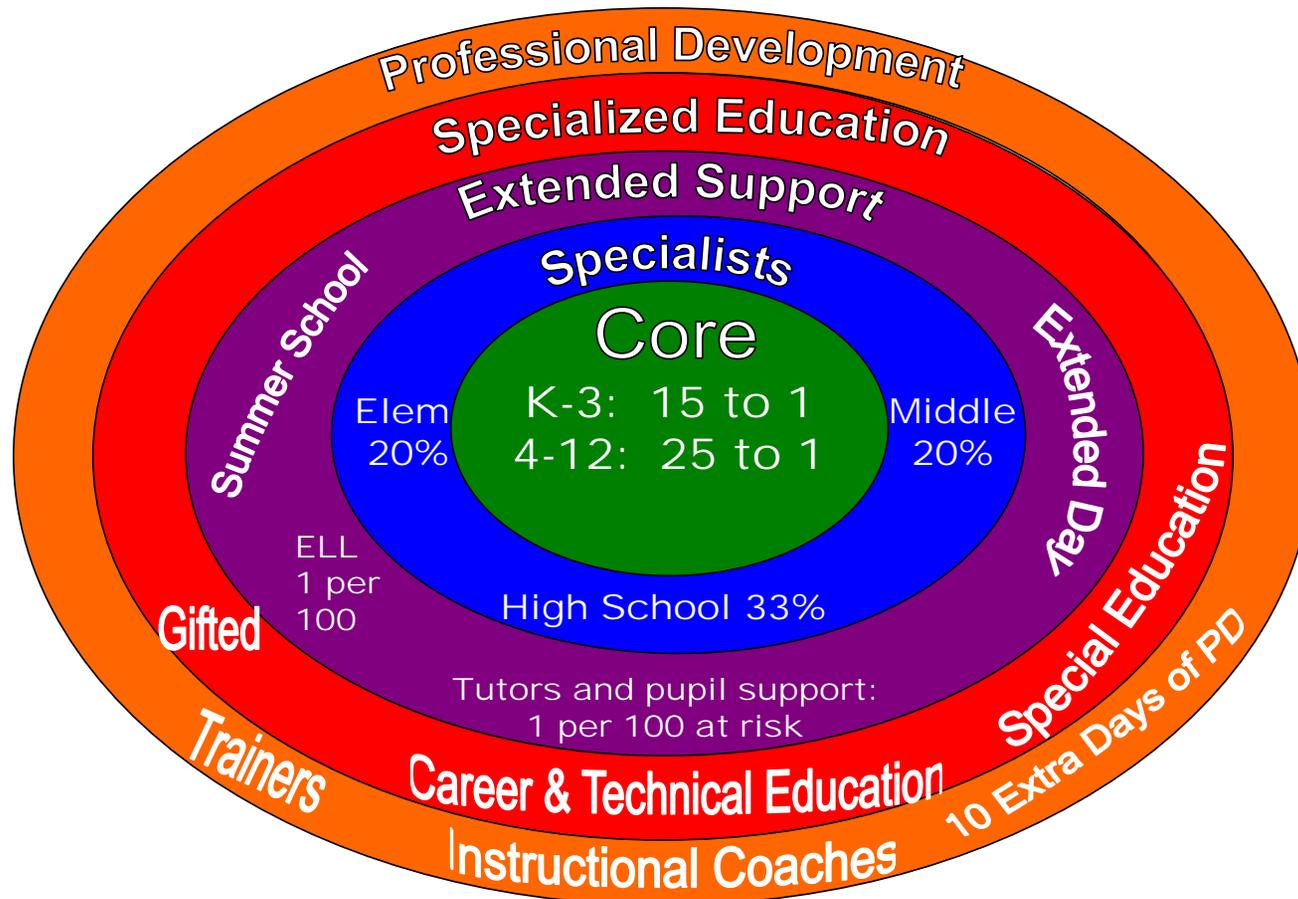


The Evidence Based Model: A Research Driven Approach to Linking Resources to Student Performance



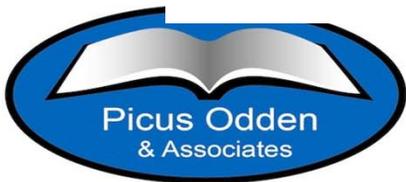
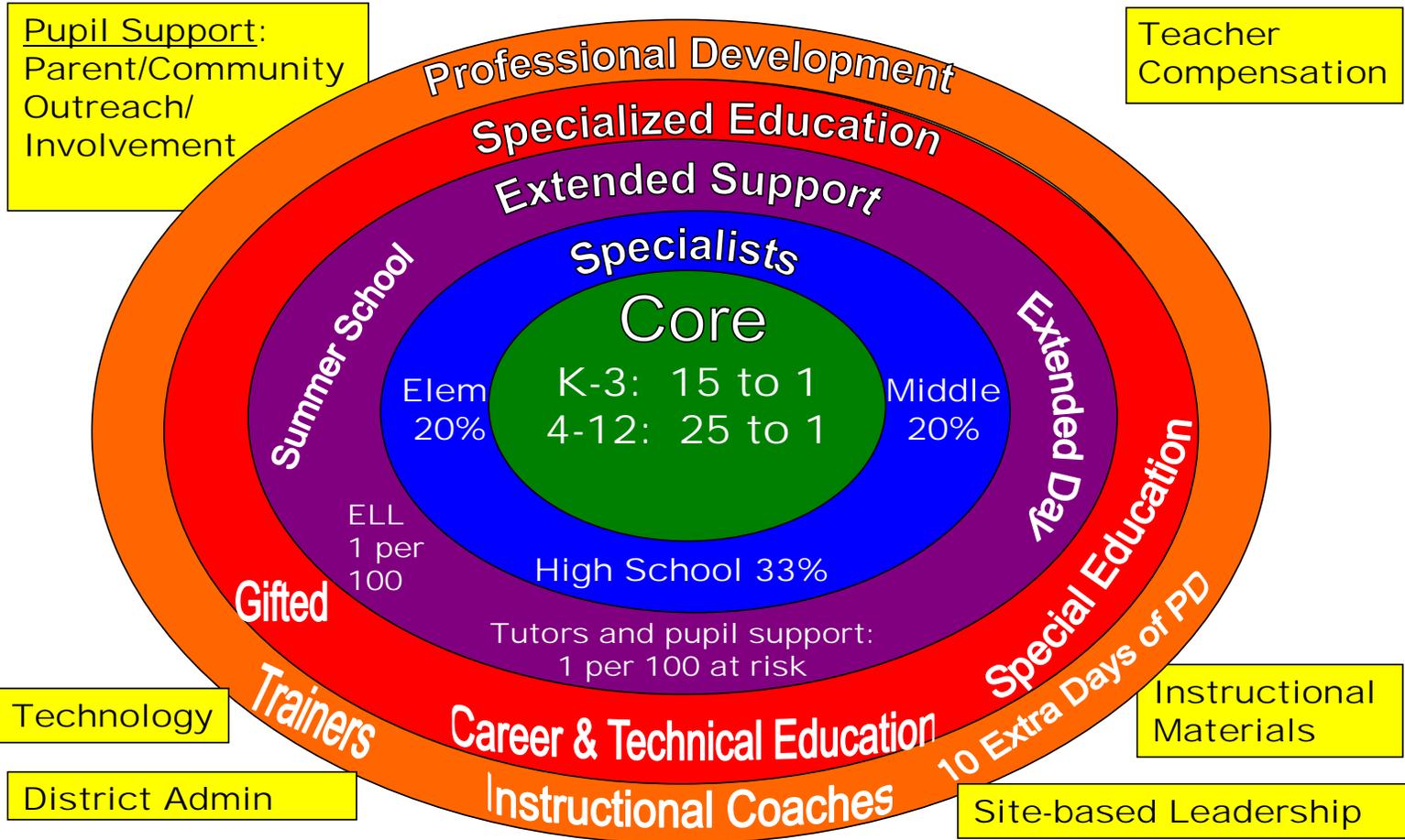
The Evidence Based Model:

A Research Driven Approach to Linking Resources to Student Performance



The Evidence Based Model:

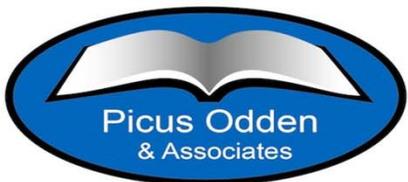
A Research Driven Approach to Linking Resources to Student Performance



Class Size & Elective Teachers

p.12 and p. 14

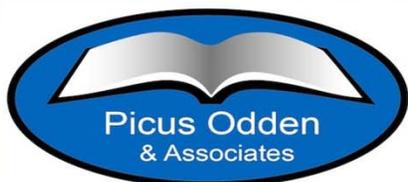
| Element | North Dakota | EB |
|-----------------|---|---|
| Core Class Size | No specific requirement in aid formula but several accreditation standards for one, two and three section schools | <i>Elementary</i> core class sizes of 15 K-3, and 25 grades 4-5, with additional 20% for elective classes <i>Middle</i> school core class sizes of 25 with 20% more for elective classes <i>High</i> school core class sizes of 25 with 33% more for elective classes |



Instructional Coaches/Professional Development

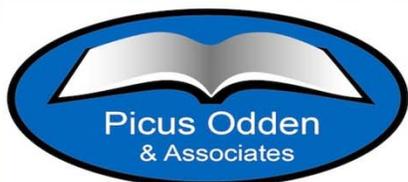
P. 17 and p. 51

| Element | North Dakota | EB |
|------------------------|-----------------------------------|---|
| Instructional Coaches | \$2.3 million for mentor teachers | 1 instructional coach for every 200 students |
| Pupil Free Days | 2 | Total of 10 pupil free days for the teacher work year so an approximate increase of 8 days and paid at the average daily rate |
| Resources for Training | -- | \$100 per pupil |



Extra for Struggling Students

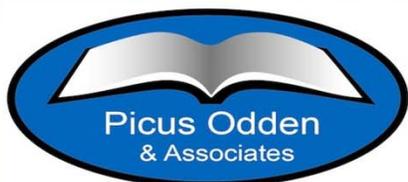
| Element | North Dakota | EB |
|--|---|---|
| Economically Disadvantaged Students | Extra weight of 0.05 for each at risk student | |
| Tutors or Tier II Intervention teachers | | 1 FTE in each school + 1 FTE per 125 at risk students |
| Extended Day Academic Help Programs | | 1 FTE per 120 at risk students |
| Summer School | Extra weight of 0.6 for each summer student | 1 FTE per 120 at risk students |
| Additional Pupil Support (in addition to guidance and nurse discussed below) | | 1 FTE per 125 at risk students |
| LEP/ELL Students | Extra weight Based on SAU LEP student: Level 1 0.3 Level 2 0.2 Level 3 0.07 | 1 FTE per 100 ELL students |



Special Education

P. 33

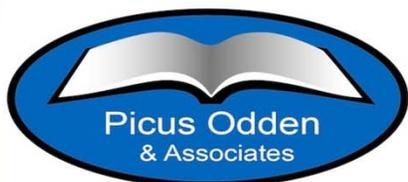
| Element | North Dakota | EB |
|--|--|---|
| Special Education Overall | Extra weight of 0.082 for all regular students | |
| Special Education, Mild and Moderate | | 1 FTE teacher and 1.0 special education aide per 150 all students |
| Special Education, Severe and Profound | 100 % state funded for costs over 4.0 of state average | 100 % state funded |
| State aid deductions | | Federal Title VIb |



Gifted and Talented

p. 40

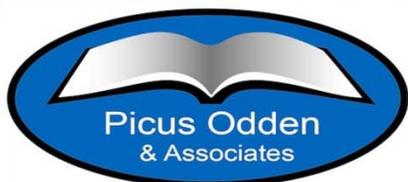
| North Dakota | EB |
|---|-----------------------|
| \$800,000 state grant allocated via grant application | \$25 per all students |



Substitute Teachers

p.43

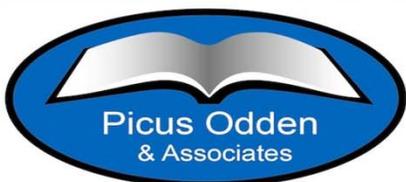
| North Dakota | EB |
|-----------------------|---|
| No specific provision | 5% of all teaching staff, different from 2008 report of \$125 per day |



Pupil Support Staff

p. 44

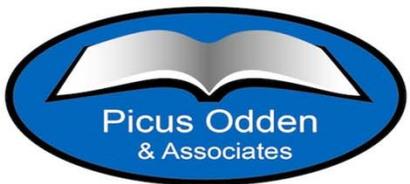
| Element | North Dakota | EB |
|----------------------------|--|---|
| Pupil Support Staff | | |
| Guidance Counselors | Accreditation standards require a 1 FTE counselor for every 300 students in grades 7-12, allowing 30 percent of those positions to be filled with career advisors. | 1 FTE per 450 elementary school students 1 FTE per 250 middle and high school students |
| Nurses | | 1 Nurse per 750 students |



Supervisory or Duty Aides

p. 47

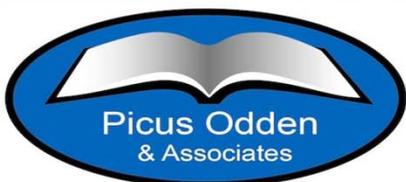
| North Dakota | EB |
|------------------------|---|
| No specific allocation | 1 FTE per 225 elementary 1 FTE per 225 middle 1 FTE per 200 high school |



Librarians

p. 48

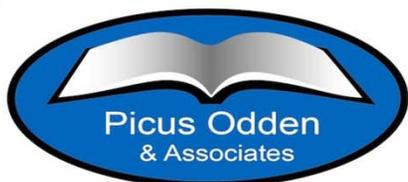
| Element | North Dakota | EB |
|----------------|--|---|
| Librarians | Accreditation standards require 1 librarian for every 450 students | 1 librarian position for every 450 elementary and middle and every 600 high school students |



Principals and Assistant Principals

p. 49

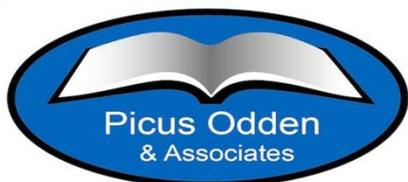
| Element | North Dakota | EB |
|----------------------|--|---|
| Principals | Multiple accreditation standards met by the EB recommendations | 1 per 450 elementary and middle students and 1 per 600 high school students |
| Assistant Principals | | 0.5 per 450 middle school and 1.0 per 600 high school students |



School Clerical Staff

p. 50

| North Dakota | EB |
|-------------------------------|--|
| No specific state requirement | 1 per 225 elementary and middle students 1 per 200 high school students |



Computer Technologies Instructional Materials Student Activities

p. 54, 57 and 62

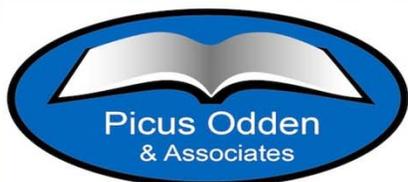
| Element | North Dakota | EB |
|-------------------------|--|---|
| Computer Technologies | No specific state law. | \$250 per all pupils |
| Instructional Materials | No specific state law. | \$170 per K-8 pupil \$205 per high school pupil |
| Student Activities | No specific state law, but not in educational costs. | \$200 per elementary and middle school pupils \$250 per all pupils |



Central Office

p. 63

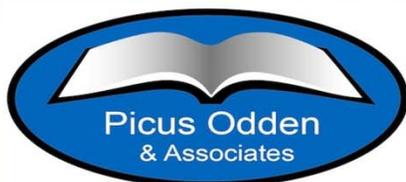
| North Dakota | EB |
|-----------------------------|---|
| No specific state provision | \$625 per pupil to support a prototypical 3,900 Student SAU central office of 9 professional, 9 clerical/secretarial and 1 computer technician positions. |



Maintenance and Operations

p. 65

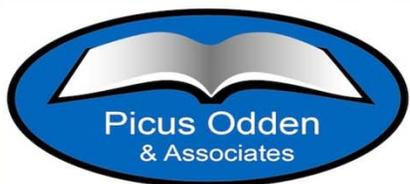
| North Dakota | EB |
|---------------------------|--|
| No specific state policy. | <p>\$757 per pupil to support custodians, maintenance and groundskeepers, and minor facilities repair.</p> <p>But actual is \$1,167 so use that until difference reconciled.</p> |



Benefits

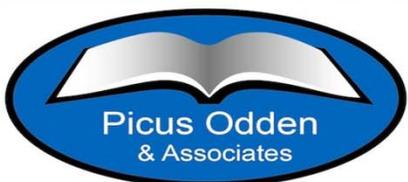
p. 72

| North Dakota | EB |
|---------------------------|--|
| No specific state policy. | Licensed staff: 26% Classified staff: 50% |



Adjustments for Small Schools

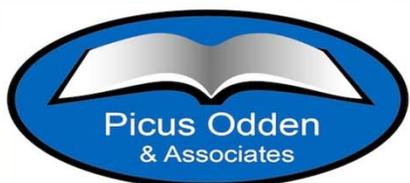
- EB is based on a prototypical district of 3,900 students (estimated Per Pupil from this size district within \$27 per pupil of estimate from district half that size of 1,950 students)
- Elements of EB can be prorated down to a district size of 975
- Separate prototypes for districts of
 - 390 students
 - 195 students
 - 97.5 students



Recalibrated Per Pupil Estimate

p. 74

| Per Pupil Figure | Using Actual Average Salaries for 2012-13 | Inflating Salaries by 2% CPI from 2008 | Inflating Salaries by 3.2 % from 2008 |
|---------------------------------------|---|--|---------------------------------------|
| Prototypical District of 3,900 Pupils | \$8,529 | \$8,191 | \$8,624 |
| Small District at 390 Pupils | \$9,017 | \$8,626 | \$9,152 |
| Small District at 195 Pupils | \$9,483 | \$9,082 | \$9,636 |
| Small District at 97.5 Pupils | \$13,980 | \$13,484 | \$14,344 |



Contact Information

Picus Odden and Associates, LLC

608 239 4671

818 980-1624 (fax)

arodden@picusodden.com

lpicus@picusodden.com

megoetz@picusodden.com

www.picusodden.com

