Today’s Presentation

• Overview of the professional judgment process
• Professional judgment panel results
  – Resources identified
  – Base cost and ELL weights
• Determining additional weights and adjustments
  – Review of adequacy studies nationally
    • At-risk weight
    • Special Education weights
  – Size adjustment and LCM from 2006 Nevada study
• Modeling results for the state
Professional Judgment Process

• Professional Judgment (PJ) approach relies on the expertise of education professionals to identify the resources needed so all students can meet all state standards

• State standards considered:
  – Compulsory education requirements
  – Required staff ratios
  – Content standards
  – Assessment requirements, including for ELL students
  – Course and graduation requirements
  – School Accountability/School Performance Framework
  – Educator effectiveness requirements
  – Federal requirements
Professional Judgment Process

• Held a series of interviews with ELL experts prior to panels
• Convened 5 panels in October 2014
  – Three school-level (elementary, middle, and high school) panels, one ELL panel, and one statewide review panel
• Panels included teachers, principals, ELL coordinators, technology specialists, district-level administrators, CFOs
  – 33 educators from Nevada participated in the PJ process
Professional Judgment Process

- Panels identified resources for all students, then the additional resources needed to serve three levels of ELL students (L1/L2, L3/L4, L5/Monitoring).

- Resources discussed:
  - **Personnel**: instructional, pupil support and administrative staff
  - **Other personnel costs**: substitute teachers and time for PD
  - **Non-personnel costs**: supplies, materials, and equipment, student activities
  - **Non-traditional programs and services**, including before and after school, preschool, and summer school programs.
  - **Technology**, including hardware, software, and licensing fees.

- Panelists provided starting point figures from Evidence-based research.
Draft PJ Results

• PJ process identified both a base cost and weights for ELL students

• Examples of key resources from Nevada PJ panels for all students (base):
  – Small class sizes: 15:1 for K-3rd grade, 25:1 for 4th-12th grade;
  – Professional development and instructional coaches for teachers;
  – Student support (counselors, social workers);
  – Technology rich learning environments, including one-to-one student devices and needed IT support; and
  – Preschool recommended for all four year olds.
Draft PJ Results

• Examples of key resources from Nevada PJ panels for ELL students:
  – Multi-faceted approach to ELL education to ensure that the education of ELL students is the responsibility of everyone
  • ELL teachers for direct instruction and/or co-teaching, instructional coaches to provide all teachers with guidance on ELL instruction, interventionists to work one-on-one with students, and pupil support through social workers and family liaisons, as well as counselors at the high school level.
  – A focus on addressing long-term ELL needs for students that often stay in the L3-L4 category;
  – Ongoing monitoring support for students that have transitioned out of the L1-L5 categories to ensure their success; and
  – Before and after school, summer school for L1-L4 ELL students.
Draft PJ Results- Base Cost

- Applied average salaries to resources identified by panels to develop per pupil costs
- Detailed School-level Base Costs

<table>
<thead>
<tr>
<th></th>
<th>Elem. School</th>
<th>Middle School</th>
<th>High School</th>
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</thead>
<tbody>
<tr>
<td>School-level Costs,</td>
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<td>Base</td>
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<td>Development</td>
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<td>Other Programs</td>
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- Combined School-level Base Cost: $6,862
Draft PJ Results - Base Cost

• District-level Base Cost:
  – Calculated based upon 2006 work; 25% of updated school-level base costs
  – District-level base cost: $1,715

• Total Base Cost:

<table>
<thead>
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<th>Total Base Cost</th>
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<tr>
<td>School-level</td>
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<td>District-level</td>
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Draft PJ Results - ELL Costs and Weights

• School-level ELL Costs

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<thead>
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<tbody>
<tr>
<td>ELL- L1, L2</td>
<td>$3,482</td>
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<td>ELL- L3, L4</td>
<td>$2,617</td>
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<td>ELL- L5, Monitoring</td>
<td>$1,063</td>
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• District-level ELL Costs: $350

• ELL Weights:

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</thead>
<tbody>
<tr>
<td>ELL- L1, L2</td>
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<tr>
<td>ELL- L3, L4</td>
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<tr>
<td>ELL- L5, Monitoring</td>
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Determining Additional Adjustments and Weights

- PJ process was used to update base cost and ELL weights
- Needed to determine additional adjustments and weights for:
  - At-Risk
  - Special Education
  - District Size
  - Location Cost Metric (LCM)
- Reviewed 2006 Nevada study results and conducted review of adequacy studies nationally
  - CO, CT, KY, MN, MT, PA, SD, TN, and Washington D.C.
Determining Additional Adjustments and Weights

• Size Adjustment
  – Compared Nevada 2006 district size adjustment with most recent adequacy study size adjustment available
    • 2013 Colorado
  – Similar adjustment, so kept 2006 Nevada size adjustment

• LCM
  – Could not be redone as part of this study, kept 2006 Nevada LCM
    • Caveat: changing economic realities over past 10 years would likely result in different LCM figures if run today
Determining Additional Adjustments and Weights

• At-Risk Weight
  – Nevada (2006): .29-.35
  – Nationally: 0.25-.075
  – Updated figure: .35
    • Reasoning: Nevada specific figure, well within national range

• Special Education Weight (Single Weight)
  – Nevada (2006): 1.1
  – Nationally: 0.8- 1.5
  – Updated figure: 1.1
    • Reasoning: again, Nevada specific figure, in line with national weights
Next Steps

• APA is applying new figures to Nevada districts to create statewide adequacy costs
  – Comparing against actual district expenditures

Note: in both cases, using 2012-13 figures