Proposition 39
Success to Date

Bill McGuire
Deputy Superintendent
Twin Rivers Unified School District

• 27th Largest CA School District, encompassing 82 Sq. Miles.
• Serving nearly ...
  ✓ 28,600 Students, including Charters.
  ✓ Speaking 46 different languages.
  ✓ And more than 3,000 Employees.
• With 52 School sites, including ...
  ✓ 4 Comprehensive High Schools.
  ✓ 5 Middle Schools.
  ✓ 29 Elementary Schools.
  ✓ 3 Charter Schools at 7 Sites.
  ✓ 7 Alternative Schools
Proposition 39 to Date

• Total Allocation = $8.5M, including Charter Schools.
• Average School Age = 45+ years. Oldest = 84!
• Partnered w/SMUD & California Conservation Corps (CCC).
• Invested in updated HVAC, Controls & Lighting at 22 Sites ...
  • Work Completed:
    ✓ HVAC Upgrades at Grant UHS, Harmon Johnson & Foothill Ranch MS.
    ✓ Lighting Retrofits, HVAC & Controls Upgrades
      at 7 Charter Schools / 11 Sites.
  • Work In Progress:
    ✓ Lighting Retrofits at Foothill Ranch MS or Foothill HS.
    ✓ HVAC & Controls Upgrades at Del Paso Heights, Fairbanks, Foothill, Hagginwood & Hazel Strauch.
Feel the Difference!
Creating a new climate in our classrooms
Results – Prop. 39 Projects

Harmon Johnson Elem.

<table>
<thead>
<tr>
<th></th>
<th>kWh</th>
<th>Therms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual Savings</td>
<td>87,767</td>
<td>(7,596)</td>
</tr>
<tr>
<td>Projected Savings</td>
<td>107,853</td>
<td>3,366</td>
</tr>
<tr>
<td>Difference</td>
<td>(20,086)</td>
<td>(10,962)</td>
</tr>
</tbody>
</table>

Grant Union High School

<table>
<thead>
<tr>
<th></th>
<th>kWh</th>
<th>Therms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual Savings</td>
<td>168,005</td>
<td>13,002</td>
</tr>
<tr>
<td>Projected Savings</td>
<td>128,491</td>
<td>11,150</td>
</tr>
<tr>
<td>Difference</td>
<td>39,514</td>
<td>1,852</td>
</tr>
</tbody>
</table>

Over 100 Construction Workers employed in Summer months to complete projects in 10 weeks. Majority Sheet Metal Workers.
Zero Emission Bus Program

- Largest fleet deployed in the nation (currently 16).
- Funded in part by $7.5M California Climate Investment grant, using proceeds from CA’s cap-and-trade program.
- Routes primarily run through disadvantaged communities.
- Zero emissions equals clean air for improved student & community health.
## Zero Emission Bus Program

### California Energy Commission
**Solicitation GFO-17-607**
**School Bus Replacement for California Public School Districts, County Offices of Education, and Joint Power Authorities**

**Rank List of Electric School Bus Applicants**
**November 19, 2018**

<table>
<thead>
<tr>
<th>Proposal Number</th>
<th>Applicant</th>
<th>Replacement Bus Type</th>
<th>Age</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>155</td>
<td>Twin Rivers Unified</td>
<td>Type D</td>
<td>1988</td>
<td>98.0</td>
</tr>
<tr>
<td>155</td>
<td>Twin Rivers Unified</td>
<td>Type D</td>
<td>1989</td>
<td>98.0</td>
</tr>
<tr>
<td>155</td>
<td>Twin Rivers Unified</td>
<td>Type D</td>
<td>1990</td>
<td>98.0</td>
</tr>
<tr>
<td>128</td>
<td>Ravenswood School District</td>
<td>Type D</td>
<td>1988</td>
<td>96.8</td>
</tr>
<tr>
<td>128</td>
<td>Ravenswood School District</td>
<td>Type D</td>
<td>1989</td>
<td>96.8</td>
</tr>
<tr>
<td>128</td>
<td>Ravenswood School District</td>
<td>Type D</td>
<td>1990</td>
<td>96.8</td>
</tr>
<tr>
<td>117</td>
<td>Thermalito Union</td>
<td>Type D</td>
<td>1990</td>
<td>95.4</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1989</td>
<td>95.0</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1990</td>
<td>95.0</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1990</td>
<td>95.0</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1990</td>
<td>95.0</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1990</td>
<td>95.0</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1990</td>
<td>95.0</td>
</tr>
<tr>
<td>74</td>
<td>Sacramento City Unified</td>
<td>Type A</td>
<td>1990</td>
<td>95.0</td>
</tr>
<tr>
<td>155</td>
<td>Twin Rivers Unified</td>
<td>Type D</td>
<td>1991</td>
<td>94.5</td>
</tr>
</tbody>
</table>

**Northern Region**
Looking Forward ...
- Other School Energy Issues

• Title 24 Building Codes Standards Upgrades:
  ✓ Upgrades to Sections on Energy Code (Part 6) & Green Construction (Part 11) in 2013 & 2016 will likely have an impact on School Facilities Programs (SFP) project costs, including new Prop 51 projects.
  ✓ Working with other school groups to advocate for 6% adjustment to new construction per unhoused-pupil grant amounts allowed under current regulations, Ed Code 17072.11(b).

• ZNE (Zero Net Energy):
  ✓ State agencies seeking to build toward ZNE under Executive Order B-18-12 addressing climate & environmental concerns ...
  ✓ ZNE is perfect vs. “Green” Schools – May seek deeper retrofits building on Prop 39 “1.0” work.
  ✓ Continue to work with Utilities to advance pilot programs, incentives, rebates etc.
Looking Forward ...
- Other School Energy Issues, cont’d

• School Electricity Rate – Different / lower rate reflecting true cost of service.

• Transmission Regionalization – Encourage CA to participate with other Western States & export excess solar generation.

• Resiliency – Microgrids & other strategies allowing school campuses to continue to function during of power outages, wildfires, or other natural disasters.

• Intervener Compensation – Reimbursing Districts when they formally participate in a CPUC rate proceedings.
Looking Forward ...
- Water Conservation & Efficiency for CA Schools

• Water Supply:
  ✓ Dry winter & continuation of conservation mandates.
  ✓ Monitor state’s long-term view on addressing water supply issues.
  ✓ Will Conservation Regulations Continue?

• Drinking Water:
  ✓ Quality continues to be a concern from parent & community groups. Bills addressed this last year.
Thank You!

Bill McGuire

Deputy Superintendent

Twin Rivers
Unified School District

(916) 566-1709

Bill.McGuire@twinriversusd.org

www.twinriversusd.org