

Westwood Public
Schools

Hanlon Elementary School Building Project

School Building
Committee

06.12.2020



Agenda

- Purpose
- Sustainability Subcommittee Recommendation
- Other Considerations

PURPOSE

What should be included in Budget with Preferred Schematic Option

- 1. Review recommendations from sustainability subcommittee**
- 2. Discuss other considerations**

Sustainability Subcommittee: Recommendation

Proceeding into Schematic Design (SD) Phase:

- 1. Priority: 20% above new energy code to achieve 2% points from MSBA**

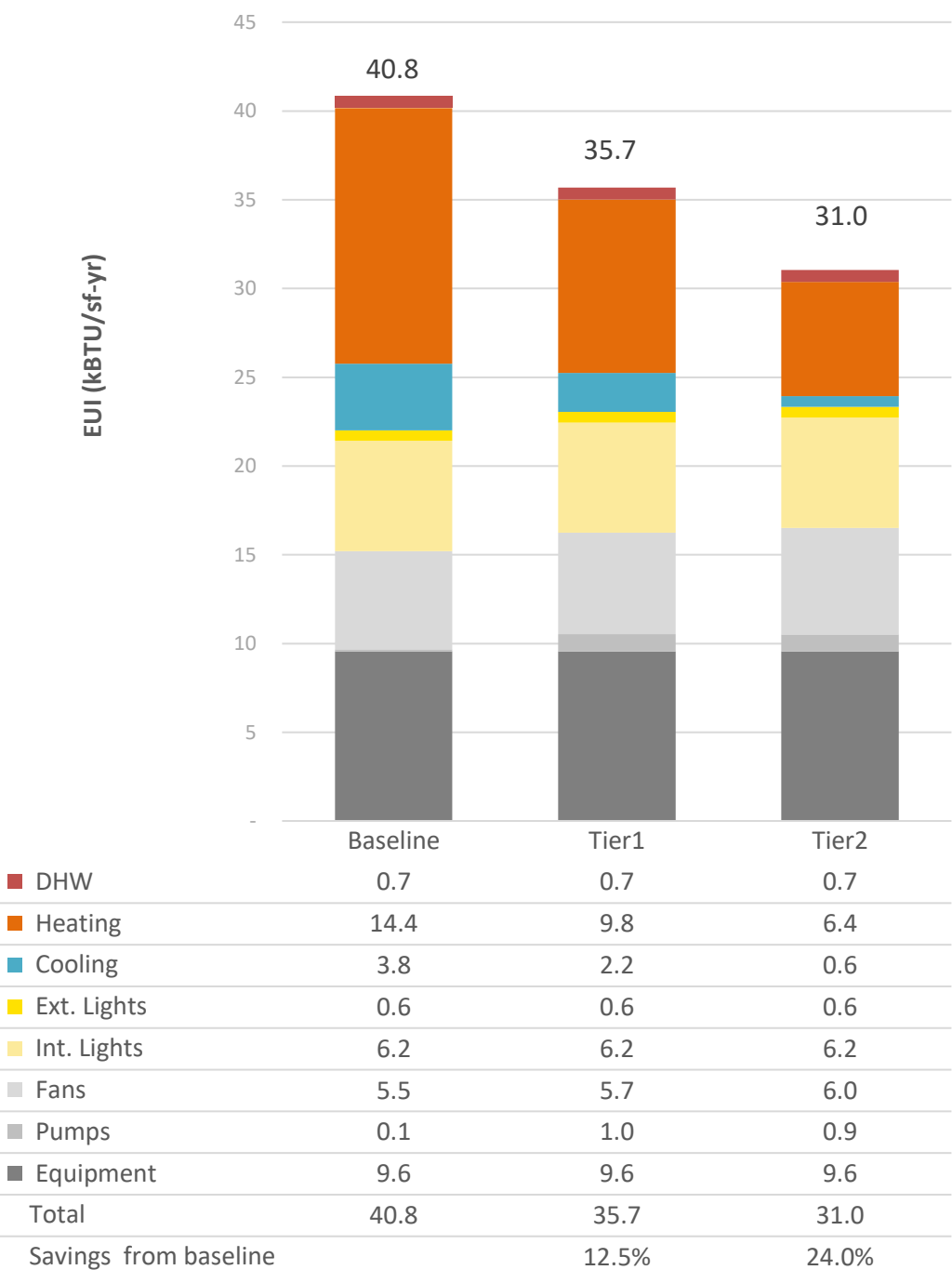
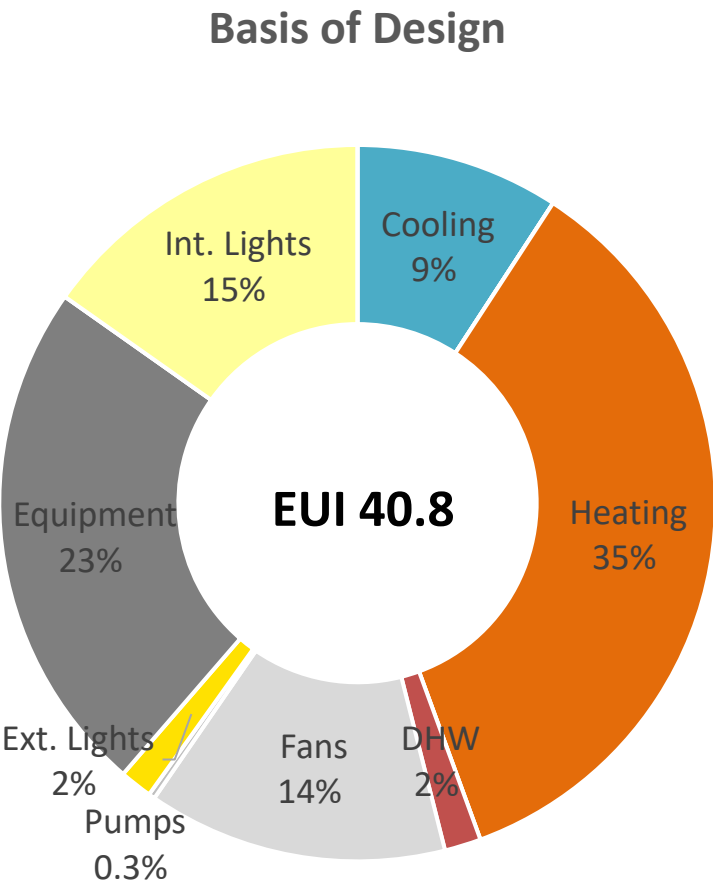


Sustainability Subcommittee: Recommendation

Proceeding into Schematic Design (SD) Phase:

1. **Priority: 20% above new energy code to achieve 2% points from MSBA**
2. **Explore Fossil Fuel Free options:**
 - a. Tier 1: Water Source Heat Pump: Add \$1.1M
 - b. Tier 2: Ground Source Heat Pump (Geothermal): Add \$3.5M

ENERGY USE COMPARISON



Sustainability Subcommittee: Recommendation

Proceeding into Schematic Design (SD) Phase:

1. **Priority: 20% above new energy code to achieve 2% points from MSBA**
2. **Explore Fossil Fuel Free options**
3. **Explore Timber Framing to reduce embodied carbon**
 - a. Partial Timber Framing (Entry, corridor, cafeteria): Add \$300k
 - b. Comprehensive: Classroom Wings: Add \$2.0M

Timber Framing: Partial vs. Comprehensive

PARTIAL – Entry, Corridor, Cafeteria

COMPREHENSIVE – All Classroom wings



Sustainability Subcommittee: Recommendation

Proceeding into Schematic Design (SD) Phase:

1. **Priority: 20% above new energy code to achieve 2% points from MSBA**
2. **Explore Fossil Fuel Free options**
3. **Explore Timber Framing to reduce embodied carbon**
4. **100% A/C vs. partial A/C & dehumidification ventilation**
5. **Rainwater Cistern-Irrigation**

Sustainability Subcommittee: Recommendation

Proceeding into Schematic Design (SD) Phase:

1. **Priority: 20% above new energy code to achieve 2% points from MSBA**

2. **Explore Fossil Fuel Free options:**

Include Geothermal in budget - Re-evaluate after Life Cycle Cost Analysis

June 19th – decision on Geothermal test well

Aug 25th- decision on Nat Gas vs. Fossil Fuel Free

3. **Explore Timber Framing to reduce embodied carbon:**

Include Comprehensive in budget – re-evaluate in SD July 23rd - decision

4. **100% A/C vs. partial A/C & dehumidification ventilation:**

Include 100% A/C in budget with further evaluation and visit schools in SD

Aug 25th – decision; could be an alternate

5. **Rainwater Cistern-Irrigation:**

Include in budget Aug 25th – decision; could be an alternate

Sustainability Subcommittee: Recommendation

Proceeding into Schematic Design (SD) Phase:

1. **Priority: 20% above new energy code to achieve 2% points from MSBA.... \$83.0 M**
 2. **Explore Fossil Fuel Free options: \$ 3.5 M**
Include Geothermal in budget - Re-evaluate after Life Cycle Cost Analysis
June 19th – decision on Geothermal test well
Aug 25th- decision on Nat Gas vs. Fossil Fuel Free
 3. **Explore Timber Framing to reduce embodied carbon: \$ 2.3 M**
Include \$300k partial + \$2M classroom in budget – re-evaluate in SD July 23rd - decision
 4. **100% A/C vs. partial A/C and dehumidification ventilation:..... \$ 1.3 M**
Include 100% A/C in budget with further evaluation and visit schools in SD
Aug 25th – decision; could be an alternate
 5. **Rainwater Cistern-Irrigation: \$ 0.2 M**
Include in budget Aug 25th – decision; could be an alternate
- \$90.3 M Total**

Other Considerations

Proceeding into Schematic Design (SD) Phase:

- 6. Add 7 v. 7 Soccer Field.....\$ 0.3 M
- 7. Add District Bus Parking.....\$ 0.8 M

Potential Additional Add \$1.1 M



Next Steps

- ❑ **June 19: School Building Committee:** Preferred Option and PSR Vote
- ❑ **July 23: School Building Committee:** SD Kick-Off