

# Roselle School District 12

Solar Project Update - November 16, 2021



# Original Vision:



Potential Roselle Solar Locations

- Covered most roof sections
- Estimated cost: \$1.4 - \$1.5 million
- Gross Savings 30 Years: \$2,238,784

# New Vision: RMS



# New Vision: SHS



# New Vision: A Phased Plan

- Phase 1
  - Solar arrays are added to the buildings as pictured
  - Cost includes making space (wire sizing, electrical capacity) for future additions
- Phase 2
  - Solar arrays added to new RMS gymnasium/administrative offices
  - Renewable energy credits should be more than enough to purchase the panels
  - Costs are controlled because of groundwork completed in Phase 1 and because roof will be brand new
- Phase 3 (optional)
  - As older sections of roofs currently not part of solar project plan age beyond warranties and need to be replaced, future boards have ability to decide to add more panels

# New Vision: Phase 1 Details

- Problematic sections of the roof are avoided altogether
- Cost reduced to \$1 million
- ComEd rebates: \$72,000
- Estimated renewable energy credits: \$250,000
- Gross savings over 30 years: \$1,515,638

# Funding

- Total Phase 1 Costs: \$1,000,000
  - \$950,000 in bonds
  - \$50,000 School Maintenance Projects Grant (ISBE)

# Then and Now: What's Changed?

## What's changed?

- Size and scope of project
- Costs (through Phase 1)
- Savings (through Phase 1)
- Interest rates are up about 30 basis points (.3%)
- RECs are a sure thing
- State grant

## What hasn't changed?

- Net Metering
- ComEd Incentives
- Environmental benefit
- Educational impact
- Need to sell bonds
- Project will eventually pay for itself and then some



# Questions?

