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 30Years: \$2,238,784



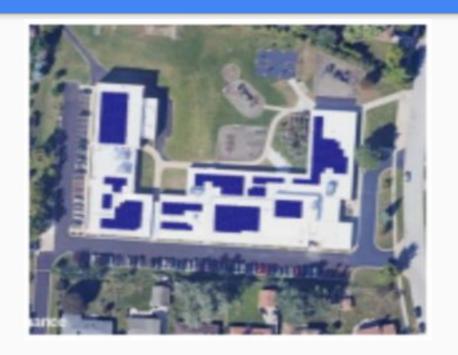
New Vision: RMS







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?

