

## Community Unit School District 3

### Project Highlights and Results

- Designed and installed geothermal heat pump systems for two schools
- Significantly enhanced indoor air quality and comfort
- Project completed under budget

### Project Background

<b>Owner:</b>	Community Unit School District 3
<b>Location:</b>	Neoga, IL
<b>Team/Team Lead:</b>	Steve Maze
<b>Elara Role:</b>	Design Engineer
<b>Type:</b>	Energy Retrofit
<b>Construction Cost:</b>	\$1,600,000

### Project Overview

<b>Building Type:</b>	K-12 Education
<b>Building Attributes:</b>	Single Story
<b>Initial Construction:</b>	1960, 1976
<b>MEFPIT Systems:</b>	RTUs, AHUs, CUHs, UVs

### Innovation

- Designed and installed geothermal heat pump systems for two schools
  - 48 vertical wells for the elementary school
  - 120 vertical wells for the high school
- Enhanced indoor air quality and comfort
  - Added centralized cooling
- Upgraded electrical systems
  - Code required upgrades
  - Eliminated reliance on electric heat

