



Oceanside Schools  
*Anchored Together*  
BY PURPOSE, PASSION, AND PEOPLE

## Energy Performance Contracting Project Board Presentation

May 5<sup>th</sup>, 2021



# Re-Introduction to The ECG Group

- Our job is to protect the District's interests – We perform all due diligence needed to ensure District receives optimal value for savings
- *Specialists* in Energy Performance Contract (EPC) Owner's Representative Services
- Comprehensive Service throughout the Project
- 125+ Successful EPC Projects – All meeting and exceeding guaranteed energy savings

*"I wouldn't say without reservation that ECG's involvement in my EPC project has made it the smoothest process that I have experienced"*

Mr. Martin  
Hindler

Superintendent  
Pine Plains  
Central School  
District

# Activity-To-Date at Oceanside SD

## Winter 2020/21

- Oceanside Board passed Resolution to appoint Energy Systems Group (ESG) to proceed with detailed Comprehensive Energy Audit (CEA)
  - ECG and District Administrators met with ESG to Kickoff the Comprehensive Energy Audit process
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## May 5<sup>th</sup>, 2021

- ECG and ESG to share activity to date and updated scope and financials with the Board
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## Next Steps

- ECG and ESG to present final scope of work and financials to the Board
- Will be seeking approval of two resolutions: SEQRA and EPC Resolution

# ESG at a Glance



## Over 26 Years Guaranteed ESPC Experience

- Purposely Built to Develop and Deliver EPC
- \$3.6B in ESPC facility improvements
- Vender neutral
- ECM neutral
- K-12 schools is a core market
- Subsidiary of Center Point Energy
- \$500M in bonding capacity
- \$29B in assets
- Local Office in Ronkonkoma
- Team's-direct combined experience over 150 years



# Project Approach

| COLLABORATION

| TEAMWORK

| PARTNERSHIP



- Enhance quality learning environment
- Involve the community, staff and students
- Utilize the project and team as a learning tool. Projects/Buildings as a living lab
- Deep dive into knowing the facilities and the Oceanside School District
- Understand the Oceanside School District's goals, capital project plans and long term plans
- Integrate the EPC project with capital projects
- Collaborate on subcontractor and vendor selection
- Turnkey Design Build Project/No change orders or additional costs

# Energy Conservation Measures and Building Improvement

| COLLABORATION

| TEAMWORK

| PARTNERSHIP



Lighting Upgrades to LED – Interior and Exterior District Wide

Building Automation and DDC Temperature Controls

Building Envelope Improvements and mechanical Insulation Improvements

Solar Energy Photovoltaic\*

Unit Ventilator Upgrades (Schools #3,#4 & 5)

HS Auditorium HVAC Replacement

Plug Load Controls

Boiler Burner Controls

Hydronic Heating Systems Upgrades

\*Final solar sizes are still being finalized based on utility company approval and roof/structural feasibility

# Estimated Financial Projections

| COLLABORATION

| TEAMWORK

| PARTNERSHIP



Project Value  
**\$17m**

Yearly Guaranteed  
Savings  
**\$950K**

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Self Funding Project Paid From Energy Savings

**60% Reduction in Energy Cost**

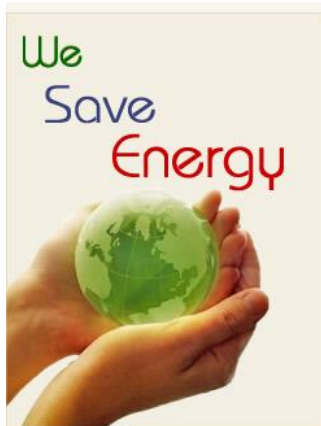
Net Positive by **\$8m** over the life of the project

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17.8 Year Simple Payback

Total Savings and State Aid  
**\$29.5m**

Rebates & Incentives  
**\$300K**



# Oceanside Energy Project Development Schedule



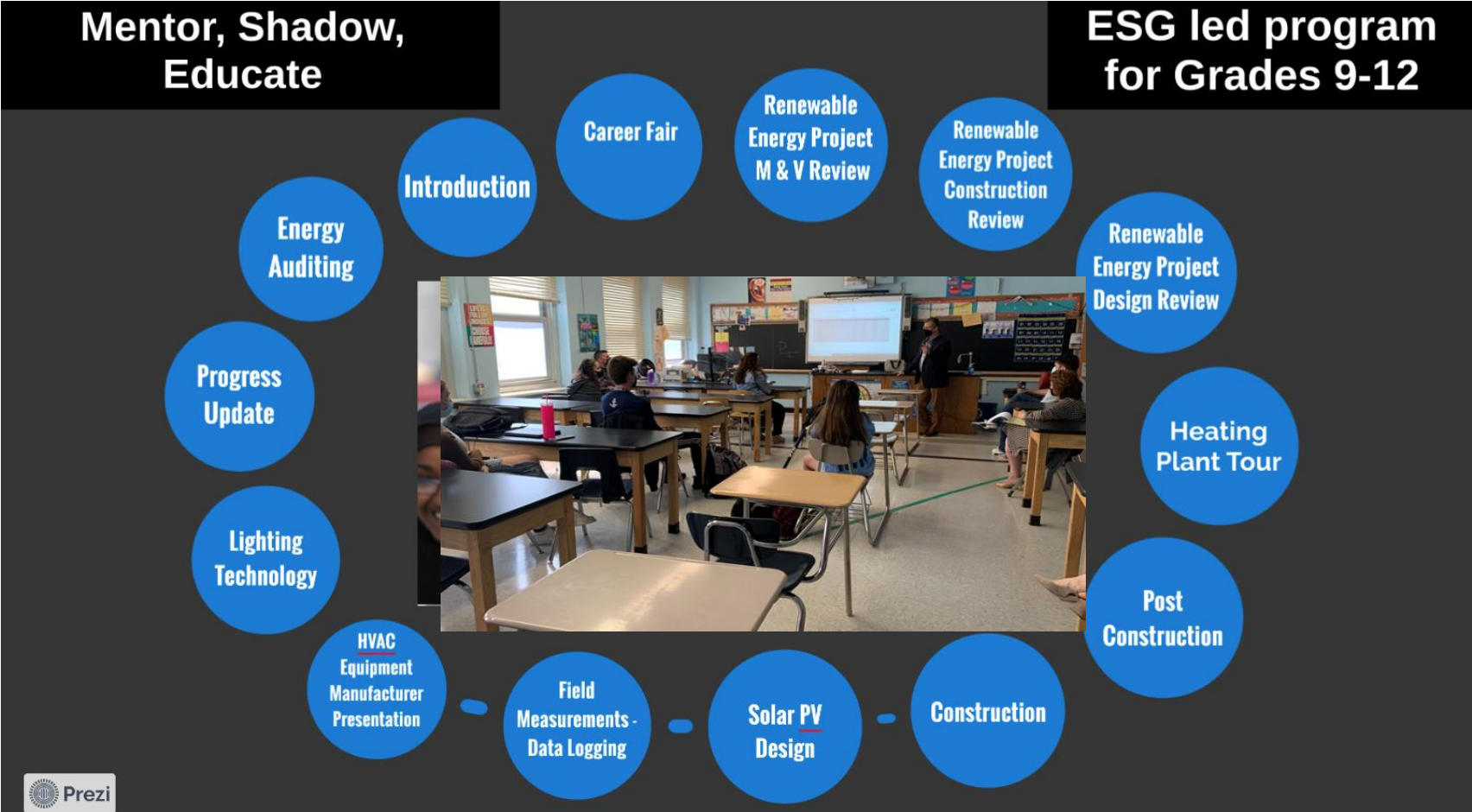


# Student Education Enhancement

| COLLABORATION

| TEAMWORK

| PARTNERSHIP



# What Did We Learn

|COLLABORATION

|TEAMWORK

| PARTNERSHIP



What a rebate is and why they exist

Project cost and savings budgets and ECMs selection

Building Envelope Improvements have great paybacks

We can apply what we have learned in the class in real life

Controlling building systems for occupied and unoccupied have great savings "turn it off when no one is there"

Smart buildings and automation of building systems help save and enhance the building spaces

Walk throughs seeing real systems helps it all make sense

Realizing energy savings opportunities that are commonly over looked



# Why Undertake this Project

| COLLABORATION

| TEAMWORK

| PARTNERSHIP



Saving money and energy

Savings can be applied to other places and help other budgets

Lower carbon footprint by 60%  
Equal to 675 less cars on the road a year

Capture state funding and rebate opportunities

Enhancing the learning environment  
(lighting and temperature)

Increases awareness of energy use and carbon foot print

Involves students to learn from the project and process





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# Thank You!

# Questions?

