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<tr>
<td><strong>Docket Number:</strong></td>
<td>21-IEPR-06</td>
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<tr>
<td><strong>Project Title:</strong></td>
<td>Building Decarbonization and Energy Efficiency</td>
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<td><strong>Document Title:</strong></td>
<td>Presentation - Applied Medical for Integrated Energy Policy Report (IEPR) Workshop</td>
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<tr>
<td><strong>Description:</strong></td>
<td>S2.3A Jeff Malin, Applied Medical</td>
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<td><strong>Filer:</strong></td>
<td>Raquel Kravitz</td>
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August 3, 2021
As a new generation medical device company, Applied Medical is equally committed to improving the affordability and accessibility of high-quality healthcare. We are proud to have a significant and sustainable impact on healthcare by delivering technologies that enhance clinical care and satisfy the pressing economic needs of our customers.
Product Offerings

**Voyant®**
Intelligent Energy System

**GelSeal®**
Technology

**Laparoscopy**

**Endourology**

**Vascular/Cardiovascular**

**Protectors and Systems**
Electricity production is the second largest share of greenhouse gas emissions. 62% of electricity comes from burning fossil fuels, mostly coal and natural gas. The average efficiency of fossil-fueled power plants in the United States is 33%. This means that 2/3 of the energy used to produce electricity at most power plants in the United States is wasted in the form of heat discharged to the atmosphere. By recovering this wasted heat, CHP systems typically achieve total system efficiencies of 60 to 80% for producing electricity and useful thermal energy. Some systems achieve efficiencies approaching 90%. 

**Combined Heat and Power**

5 MW Natural Gas Combustion Turbine and Heat Recovery Boiler

- 51% ...OVERALL EFFICIENCY...
- 75%

Conventional Generation

- Power Station Fuel (U.S. Fossil Mix)
  - 91 Units Fuel
  - 33% Efficiency
  - 147 Units Fuel

- Power Plant
  - 30 Units Electricity

- Boiler
  - 45 Units Steam

- 56 Units Fuel

Combined Heat & Power

- 100 Units Fuel

Efficiency:
- 80%

Electricity

Heat
• **Clean:** SoCalGas has committed to be Carbon Neutral by 2045.

• **Efficient:** Onsite generation much more efficient than energy from the electric grid.

• **Flexible:** Increase or decrease power generation quickly to support solar or storage assets.

• **Affordable:** Gas is affordable. Customers can manage energy profiles to remain globally competitive.

• **RESILIENT!** Gas infrastructure is less prone to weather/seismic events and can deliver 24/7 continuous fuel for power generation.
THANK YOU!