Board Strategic Development Committee and Special SMUD Board of Directors Meeting

Tuesday, February 9, 2021
scheduled to begin at 5:30 p.m.
Virtual Meeting (online)
Ameresco Comprehensive Solutions

- Renewable Energy
- Energy Infrastructure
- Energy Analytics
- Energy Efficiency
- Energy Supply Management
- Structured Finance Options
Ameresco and Grid Scale Projects

Community Solar

Grid Scale Energy Storage

Landfill Gas To Electricity
Ameresco and Microgrids

Marine Corps Recruit Depot
Parris Island, SC
An Update on Grid Scale Battery Energy Storage: Necessary for Clean Grid

Why Energy Storage
• Supports the buildout of clean energy
• Reduce reliance on fossil-fuel power plants
• Reducing peak demands on the power system

Update

Projected 55 GWs by 2045 (Draft 2021 SB 100 Joint Agency Report)
Grid Scale Solutions: Energy Storage Transmission and Distribution Grid

Transmission Level
- Peaking Capacity
- Needed Flexibility: Load Following and Ancillary Services
- Transmission Line Deferral
- Hybrid Solutions

Distribution Level
- Minimize Reverse Power Flow from Distributed Solar
- Distribution Wire Deferral
- Ancillary Services
- Resiliency
  - Clean community microgrids with new distributed control system technology and advanced energy storage capabilities
Ameresco – Your Trusted Partner

Technology Neutral
Selecting vendors and contractors to ensure the most technologically appropriate and cost-effective solution.

Experience
Developing and building energy storage and complex microgrid projects since 2014, continuously expanding our energy storage portfolio.

Global Presence, Local Expertise
Leveraging experts and technology with project managers that live in your community.

Long Term Partner
Seeking areas for improvement, enabling innovation, sharing ideas, and ultimately delivering long-term value.

Financing Options
Working with our clients to create the best solution to meet their needs.

Corporate Responsibility
Supporting our mission of delivering energy efficient and renewable solutions that enable a low carbon future.