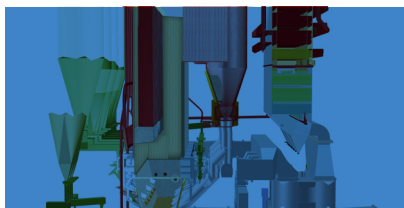
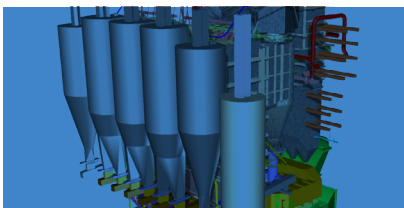


# Sandow Unit 5

Affordable clean power from Texas lignite



### Project summary

Location: Rockdale, TX, USA  
 Customer: Bechtel & TXU  
 Duration: 2006-2009  
 Scope: Design and supply of two CFB boilers

Luminant's Sandow Unit 5 is a 630 MWe (gross) power plant located in Rockdale, Texas. The plant features two Sumitomo SHI FW circulating fluidized bed boilers which convert high-ash, Texas lignite into valuable power for local homes and industrial facilities.

- ▶ Large scale, clean reliable and affordable power
- ▶ Two boilers supply single turbine generator
- ▶ Includes CFB polishing scrubbers
- ▶ On-site limestone sizing mills

<b>Plant Electrical Output (Gross/Net)</b>	2 x 315/2 x 283 MWe	
<b>Steam Flow (SH/RH)</b>	943/860 tph	2076/1896 kpph
<b>Steam Pressure (SH/RH)</b>	175/46 bar g	2545/669 psig
<b>Steam Temperature (SH/RH)</b>	542/539°C	1007/1002°F
<b>Feedwater Temperature</b>	260°C	500°F
<b>Fuel</b>	Texas lignite	

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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

## Our Values

### Respect for people.

Valuing and inviting differing views and ideas

### Committed to customers.

Exceeding expectations and providing value

### Safety, integrity and teamwork.

Incorporating ethics in everything we do

### Ownership of results.

Personally ensuring that success is achieved

### Passion to innovate and grow.

Setting challenging goals for growth



**Sumitomo**  
SHI **FW**