

ELECTRIC POWER DIVISION

helping our customers build a better, more sustainable world

Flex Case Study

Scott Yappen

ELECTRIC POWER DIVISION

CATERPILLAR[®]

Flex Ltd.

Outsourced solutions provider from concept designs to product manufacturing for many segments including:

- Healthcare
- Automotive
- Heavy industry
- Energy
- Communications
- Enterprise computing
- Consumer electronics



Flex Cogeneration Plant

- Mexico energy reform wholesale power market and the opportunities to be more cost competitive versus other worldwide Flex group facilities options drove Flex CHP plant
- Commissioned in February 2016
- Two Cat CG260-16 gen sets producing 8 MW of electric power
- One absorption chiller produces 988 tons of chilled water for air conditioning
- CHP plant generates now around 35 percent of plant's energy consumption
- Energy efficiency 77+%, while reducing some 20,000 tons of CO2
- Payback was less than 48 months and saving 40% on utility electric costs
- Flex will commission second CHP plant at its Tijuana facility in 2023.



Single Source of Supply and Long-Term Service (O&M)

- Trasca Energia
 - Caterpillar's local dealer in Guadalajara/Mexico
- Single source supplier of equipment, plant construction and...
- Operations and Maintenance (O&M, 24x7)
- Second CHP plant to be supplied in Tijuana by end of 2023



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