

Dane County Landfill Gas to Energy Projects



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Solid Waste Manager
Dane County Public Works

January 2002

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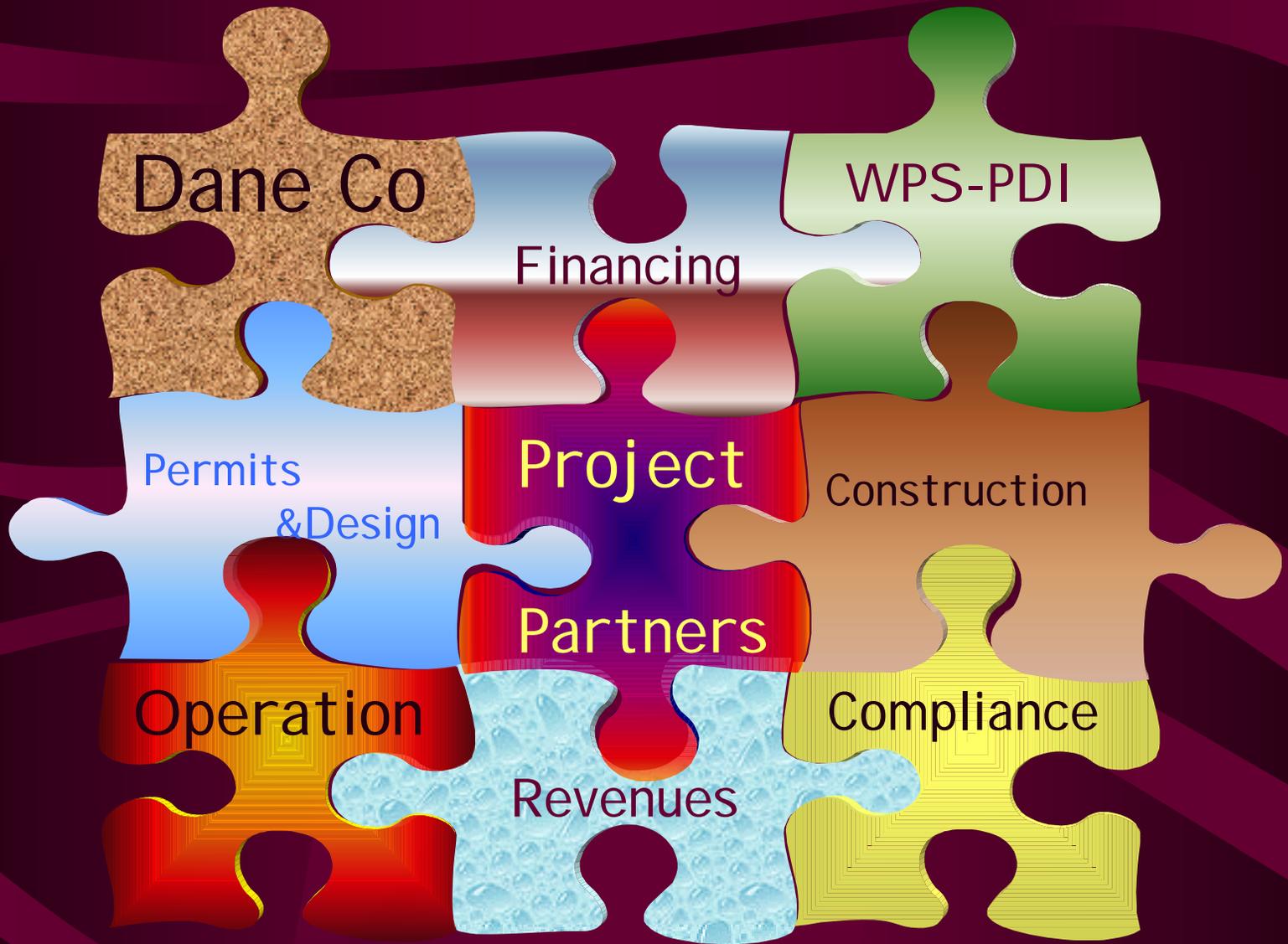


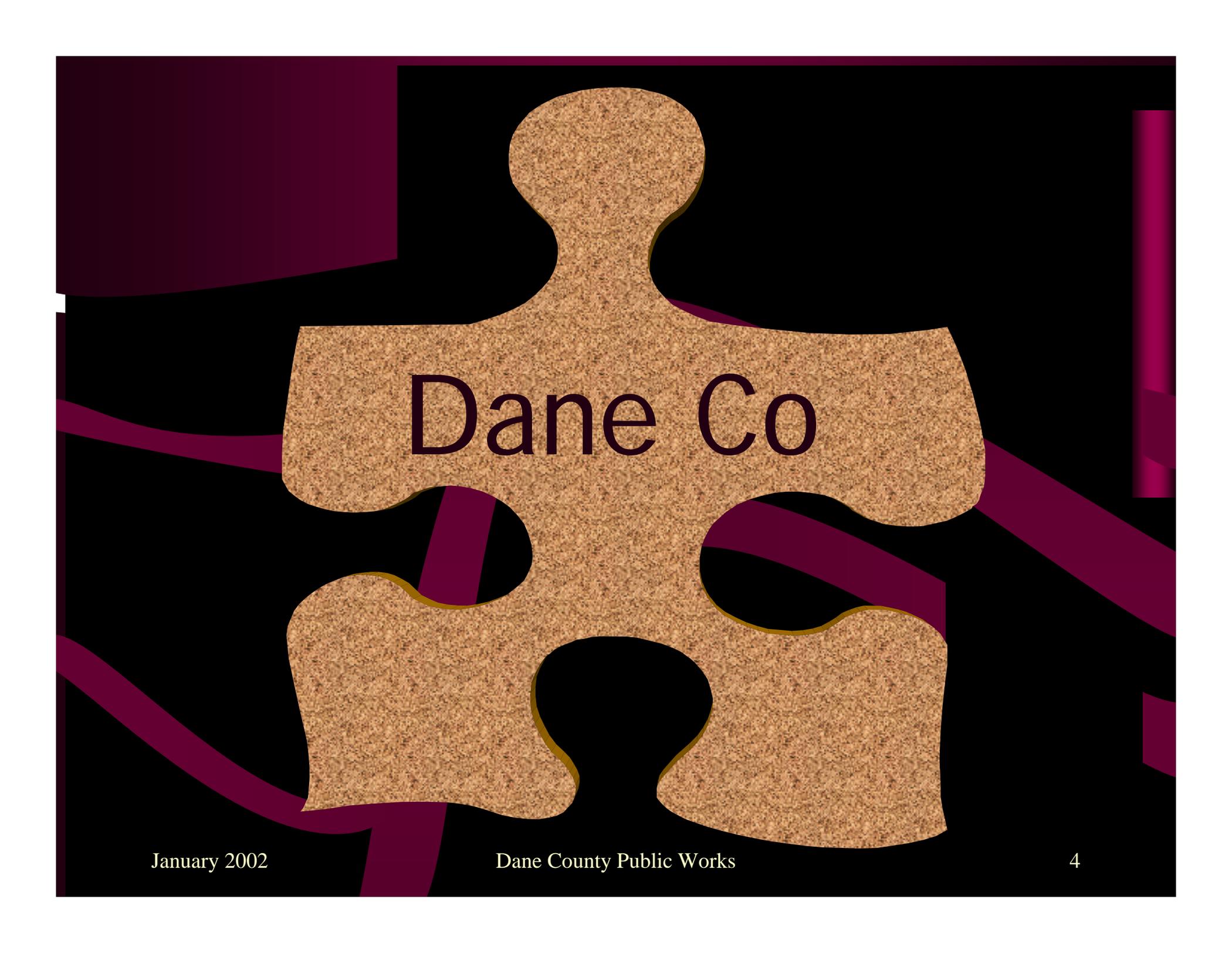
Pieces Of The Puzzle

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76 Acre Footprint
Average Depth-70 feet

Design Volume
7.2 Million Cubic Yards

33 Gas Wells
Lift Slab & Drilled
Experimental wells
Kleenwell Technology





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WPS-PDI

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Gas Plant



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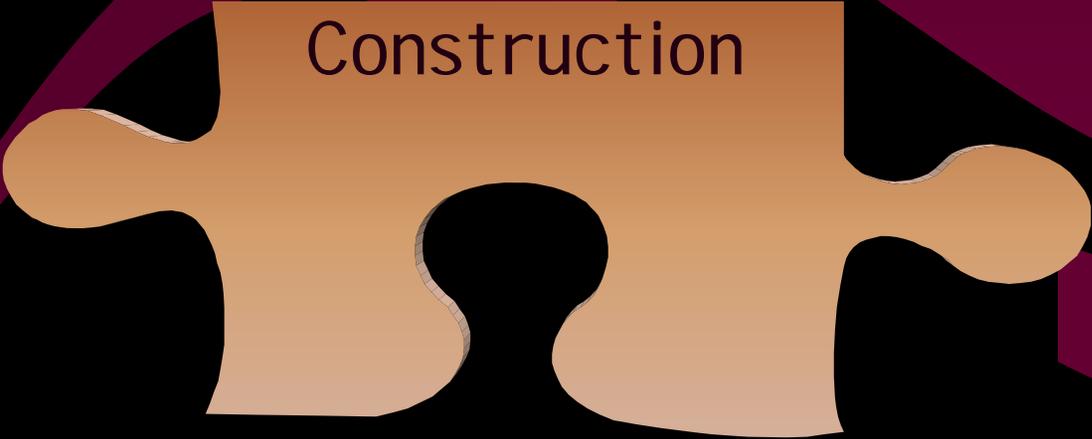
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Permits
& Design



Construction



Electric Plant

2 Cat 3516 Engine Generator Sets

Rated At 800 kWh

For a total of 1600 kWh



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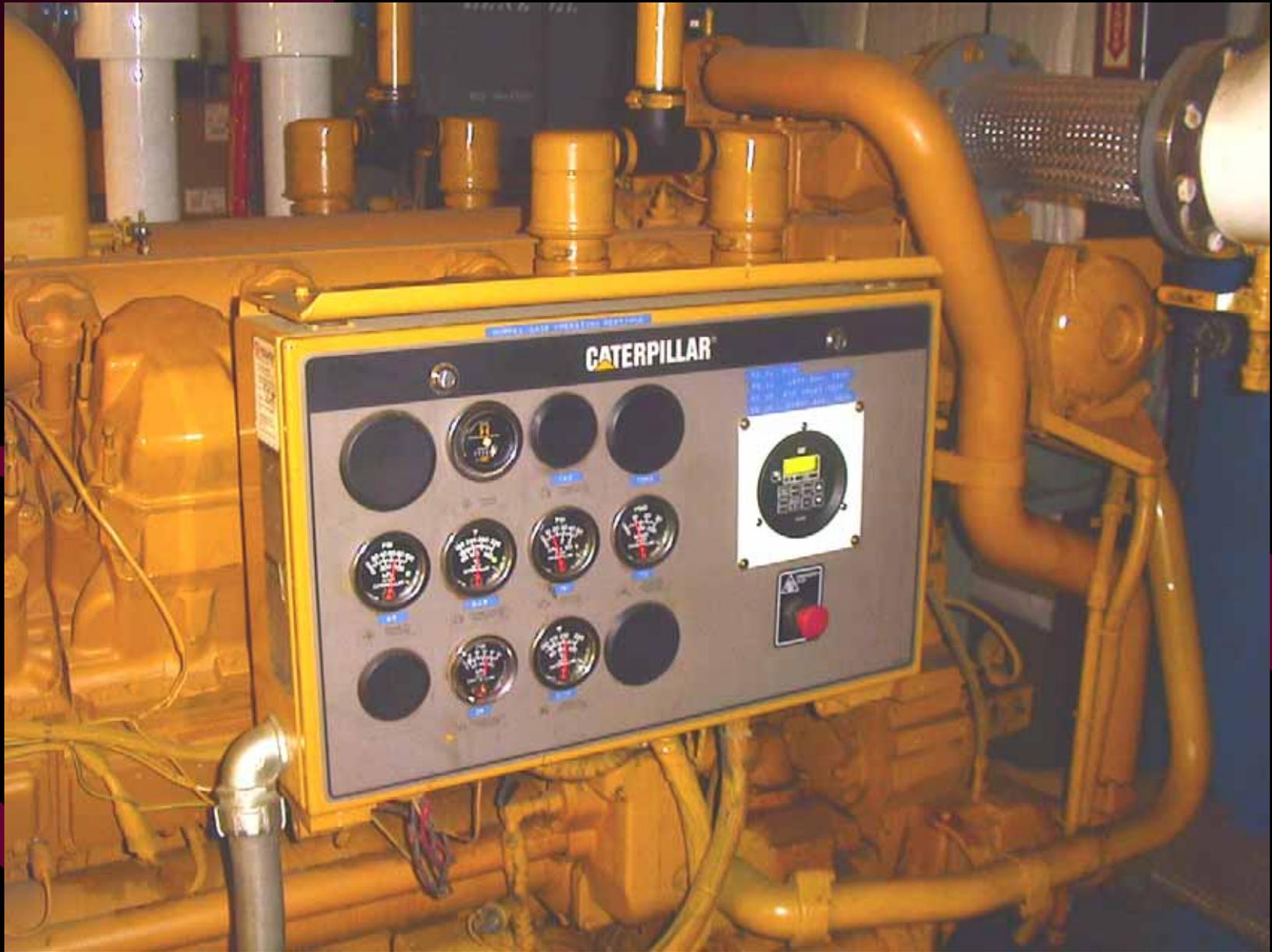
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The background features a black field with several thick, flowing maroon ribbons that create a sense of movement. A white horizontal bar with rounded ends is positioned across the center, serving as a backdrop for the main title. The word "Financing" is written in a maroon serif font, centered on the white bar.

Financing

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Landfill Tipping Fee Revenue
-Landfill Gas Control System
-Flaring vs. Energy Recovery

Wisconsin Energy Bureau
Renewable Energy Assistance Program Grant

WPS-PDI Financing of Gas Plant

Section 29 Tax Credits / Section 45??

Electric Plant \$1,200,000

Gas Plant \$300,000

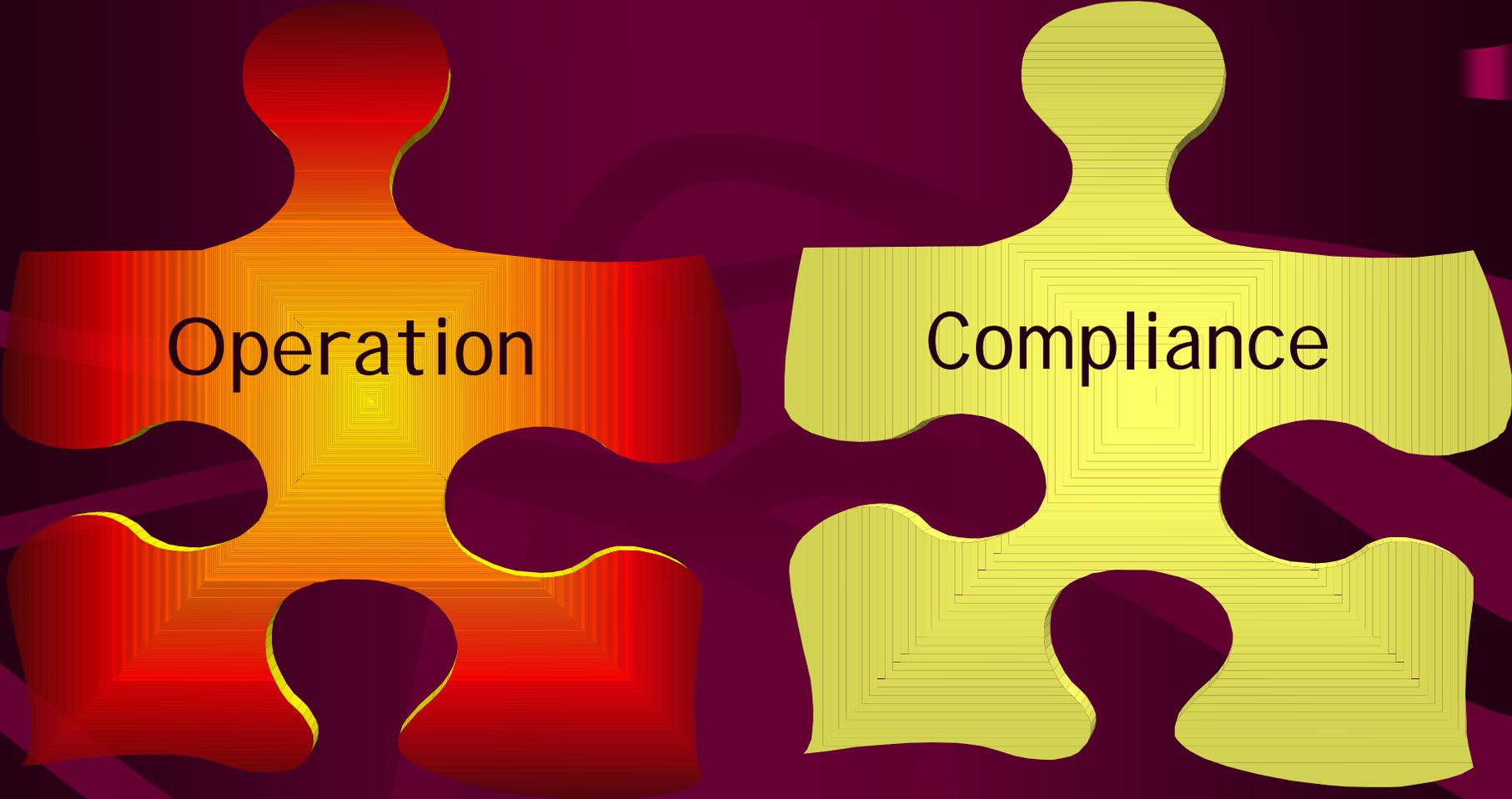
Total Capital Cost \$1,500,000



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Operation

Compliance



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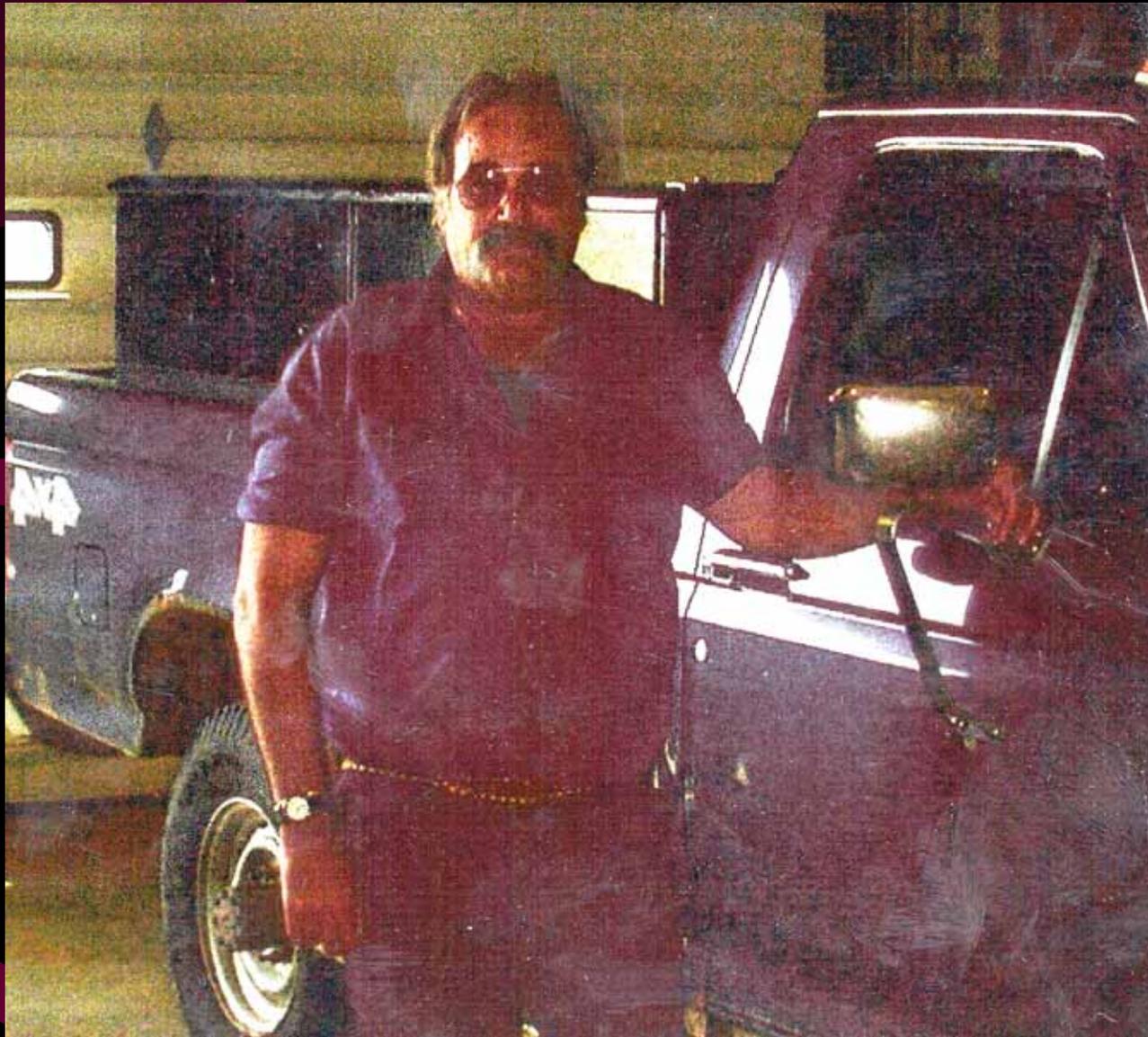
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Revenues

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Sale of Raw Landfill Gas

Sale of Electricity to MG&E

Property Lease

Sale of Maintenance Services

REPI

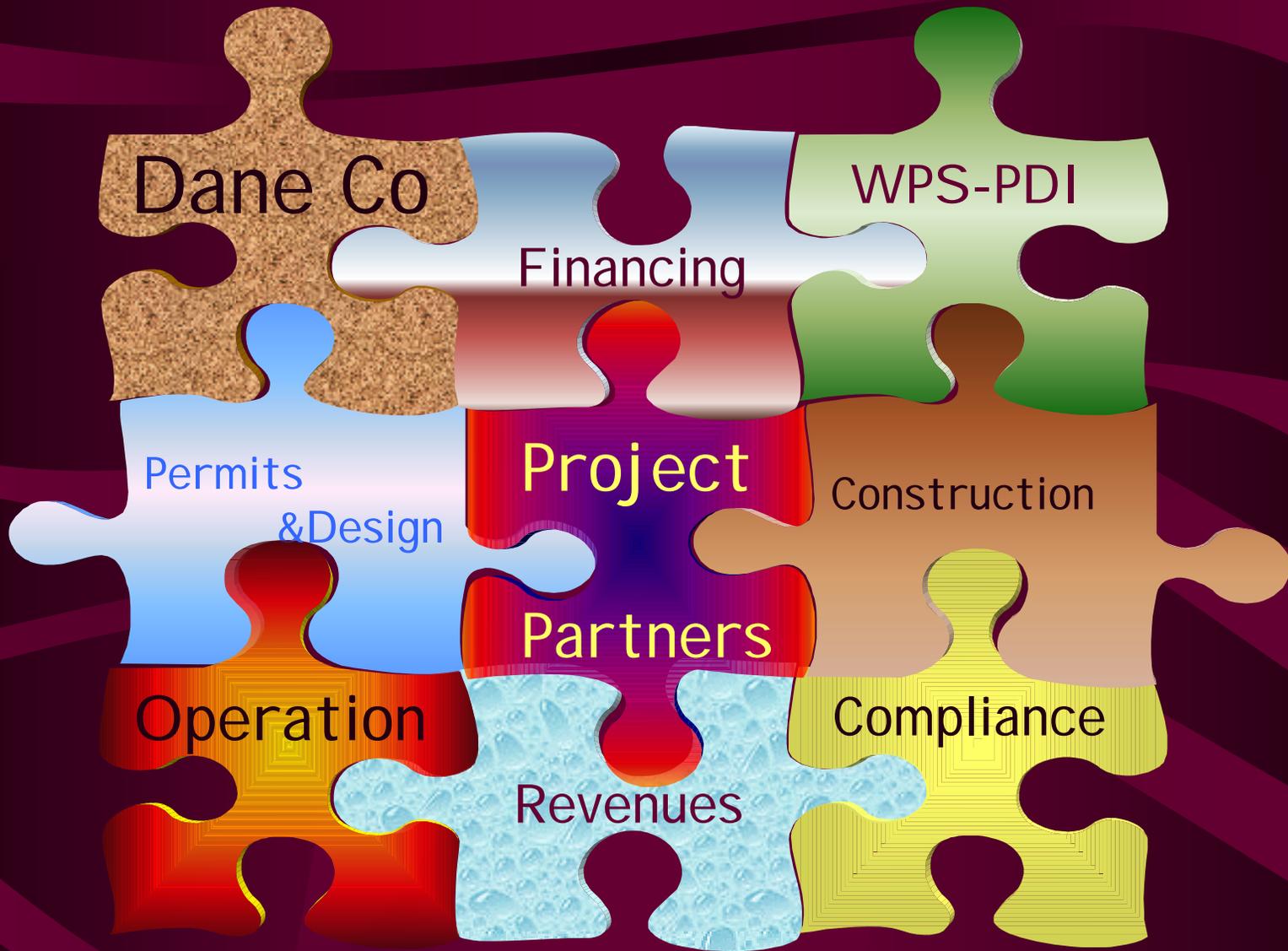


3 Year Payback!

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Questions



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