BIOGAS AS A VEHICLE FUEL
A CASE STUDY

Presented to
ENERGY VISION-CLIMATE SMART COMMUNITIES WEBINAR
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PRESENTATION OUTLINE

- EVOLUTION (GCCS)
- CARBON REDUCTION
- PROJECT DEVELOPMENT
- CONSTRUCTION & INSTALLATION
- ONGOING MONITORING
BACKGROUND

ST LANDRY PARISH SOLID WASTE DISPOSAL DISTRICT

- HOME TO ZYDECO CAJUN MUSIC
- LEGISLATIVE ACT 1980
- SERVES 90,000 RESIDENTS
- GOVERNS ALL WASTE ACTIVITIES
BACKGROUND

ST LANDRY PARISH SANITARY LANDFILL

- TYPE II MSW PERMITTED 1986
- ACCEPTANCE RATE OF 400 TPD
- 3 MILLION TONS WASTE IN PLACE
- 300 scfm LANDFILL GAS
GCCS EVOLUTION

GAS COLLECTION AND CONTROL SYSTEM

- IN ANTICIPATION OF NSPS THRESHOLD
- VOLUNTARY CARBON INITIATIVE
- GCCS COMMISSIONED JAN 2009
- SELL CARBON CREDITS TO OFFSET COST
PROJECT DEVELOPMENT

- 4 PROPOSALS WERE REJECTED
- COMMISSION PROCEEDED IN-HOUSE

KEY FACTORS
- UNDERSTAND ENVIRONMENTAL BENEFITS
- DEVELOP FUNDING SOURCES
- CONTROL AND STAFFING
- ACCESS TO VEHICLES
- QUALITY CONDITIONING TECHNOLOGY
CONSTRUCTION INSTALLATION

SITE WORK BEGAN IN OCTOBER 2011

EQUIPMENT ARRIVED FEB 2012
CONSTRUCTION INSTALLATION

INSTALLATION AND INTERCONNECTION MARCH 2012
COMMISSIONING

PLANT COMPLETION
APRIL 2012

ONLINE APRIL 2012
CONVERSIONS

15 VEHICLES
1 PASSENGER VAN
5 SEDANS
10 FLEET PU TRUCKS
BioCNG

St. Landry Parish Solid Waste

St. Landry Parish Sheriff

BioCNG CHARTER FLEET
April 2012
GOING FORWARD

- MONITOR CONSUMPTION
- TRACK OPERATING COST
- WORK TO EXPAND FLEET
- www.slpsolidwaste.org