

Hoosier Energy Rural Electric Cooperative, Inc.





Why Landfill Gas to Energy?

- Often Rural and Served by Member Systems
- Base Load Power
- Member Recognition
- Board Renewable Energy Policy



U.S. Electric Cooperative Map





HOOSIERENERGY

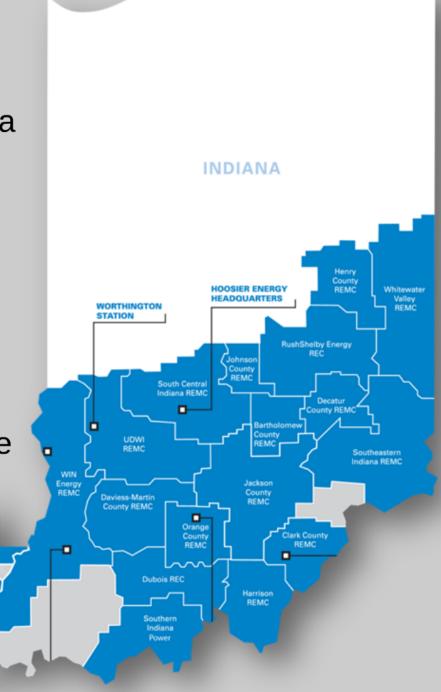
Headquartered in Bloomington, Indiana

Wholesale Power to 18 Members

- 48 Counties in Indiana
- 11 Counties in Illinois
- 300,000 Homes and Businesses

~ 1,500 Mile Transmission Network

Operate two coal-fired plants and three natural gas plants





Hoosier Energy's Renewable Portfolio

Clark-Floyd Landfill

• 3.5 MW

Dayton Hydro PPA

• 3.6 MW

Story County Wind PPA

• 25 MW

Osprey Point CBM

• 13 MW

Livingston Landfill

• 15 MW









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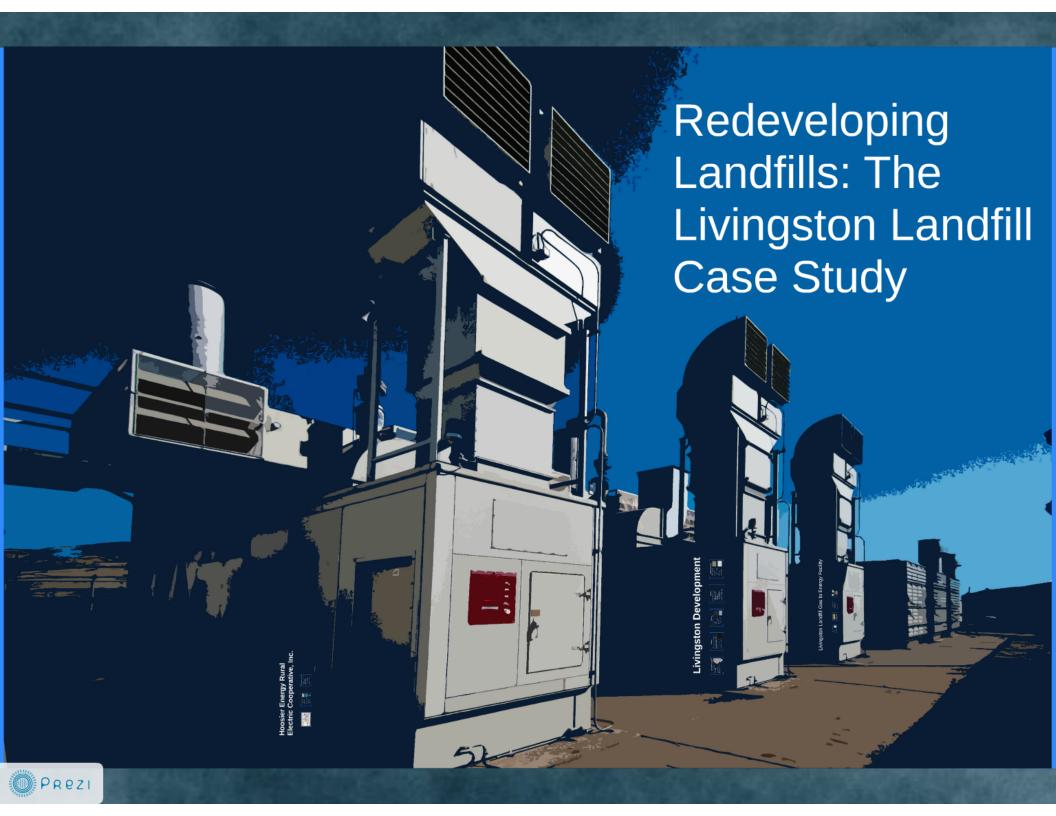
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Livingston Development













Livingston Landfill

Republic Services Landfill

6,000 Tons/day

5,000 - 6,000 scfm

Interconnected to ComEd in the PJM Market



Pontiac)



Facility

3 Solar Taurus 60 Turbines- 15 MW

Resource Technology Corporation

Owned and Commissioned the Facility
in 2001

Facility Idled in 2006

Valid Title V Air Permit





Process

Experience from Previous Projects

Research

- Owners
- Facility
- Equipment
- Permits, Permits!

LANDFILL GAS HIGH PRESSURE LANOPILL GAS HIGH PRESSURE LANOPILL GAS

In-house Expertise

- Permits
- Project Management
- Contracts





Process

Knew What We Didn't Know

Brought in Outside Help

- Republic Services
- Ameresco
- Solar Turbines
- Burns and McDonnell
- Golder Associates

Purchased the Facility in 2011



Work to be Done

Siloxane Removal

Compressors

Turbine Overhauls

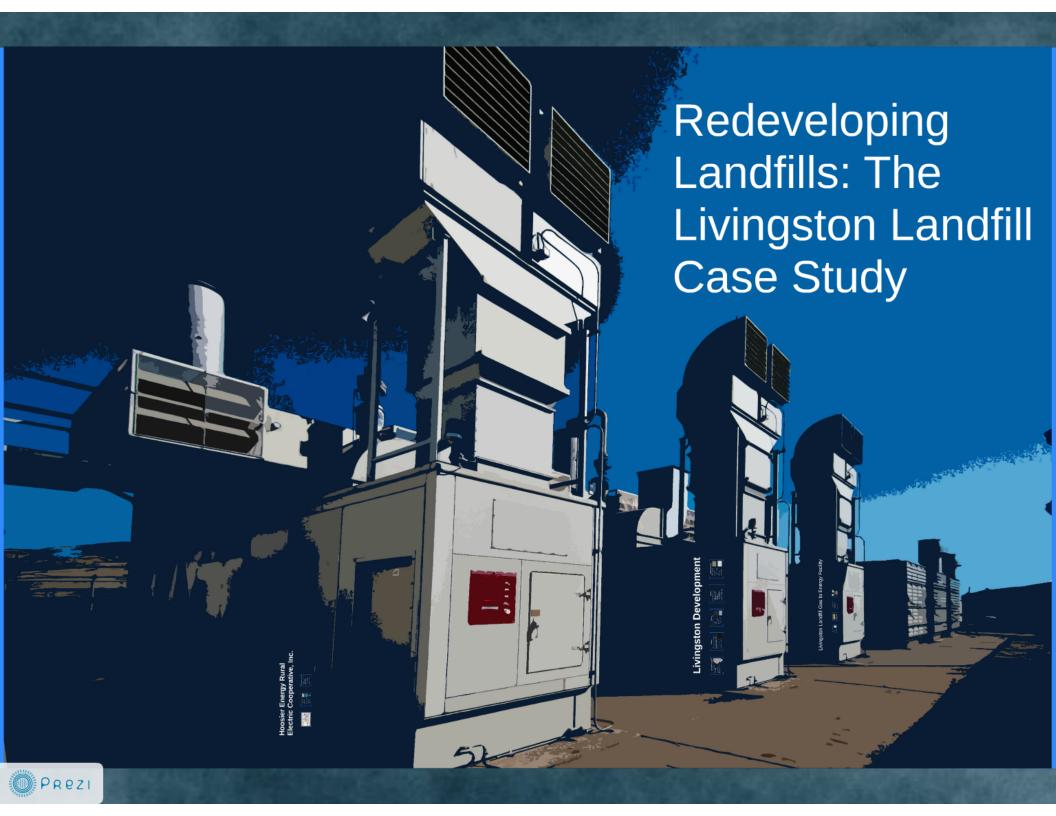
New Controls

Interconnection









Livingston Landfill Gas to Energy Facility





Development Thoughts

Don't be Afraid to Redevelop

Be Flexible - Redevelopment Projects
Can Happen Quickly

Do Your Research Early

Build Relationships





Benefits of Redeveloping

Time Savings

Cost Savings

Reduce, Reuse, Recycle

Community Engagement





Lessons Learned



- Strong Project Management
- Pick the Right Partners
- Community Support



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Thank you



