



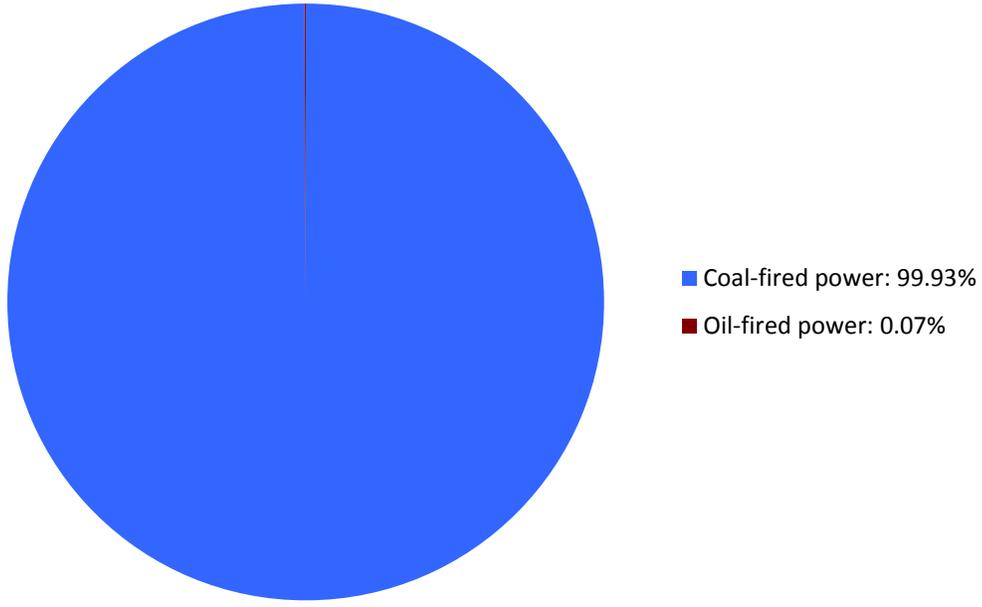
Power Plant: Labadie
Plant Owner: Union Electric Company
Power generated in 2009 from non-renewable and renewable sources

| | Fuel Consumption, MMBTUs | Percent of Total | | Net Electric Power Generated in 2009 (MWh) | Percent of Total | |
|--------------------------------|--------------------------|------------------|----------------|--------------------------------------------|------------------|----------------|
| Non-renewable sources | | | | | | |
| Coal-fired power | 177,798,006 | 99.93% | | 17,226,242 | 99.93% | |
| Natural gas-fired power | | | | | | |
| Oil-fired power | 116,879 | 0.07% | | 11,326 | 0.07% | |
| Nuclear power | | | | | | |
| Other non-renewable power | | | | | | |
| Non-renewable total | 177,914,885 | 100.00% | 100.00% | 17,237,568 | 100.00% | 100.00% |
| Renewable sources | | | | | | |
| Hydroelectric Power | | | | | | |
| Wind | | | | | | |
| Waste and biomass | | | | | | |
| Solar | | | | | | |
| Geothermal | | | | | | |
| Landfill Gas | | | | | | |
| Renewable total | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% |
| Grand total all sources | 177,914,885 | | 100.00% | 17,237,568 | | 100.00% |

| Fuel Type | Physical Units | Number of Units |
|----------------------------|----------------|-----------------|
| Sub-Bituminous Coal | Short Tons | 10,122,717 |
| Distillate Fuel Oil | Barrels | 20,315 |



Net Generation by Fuel Type, 2009 for Labadie





**Labadie
Emissions from Electricity Generated in 2009**

| Plant | Carbon Dioxide(CO2) (Tons) | Carbon Monoxide(CO) (Tons) | Ammonia (NH3) (Tons) | Nitrogen Oxides (NOx) (Tons) | Sulfur Dioxides (SO2) (Tons) |
|----------------|----------------------------------|----------------------------------|-------------------------|---------------------------------|---------------------------------|
| Labadie | 17,433,816.79 | 2,490.94 | 2.81 | 9,205.35 | 61,681.45 |

| Plant | Volatile Organic Compounds (VOC) (Tons) | Course Particulate Matter (PM10) (Tons) | Fine Particulate Matter (PM2.5) (Tons) | Mercury (Hg) (LBS) |
|----------------|-----------------------------------------------|--------------------------------------------------|----------------------------------------------|-----------------------|
| Labadie | 298.74 | 2,466.18 | 1,592.91 | 1,298.00 |

'NV' = Emissions value not available.



Pollution controls installed on Labadie

| SO2 Controls | | | |
|---------------------|---------------------------|--------------|------------------------|
| Plant | Control Equipment | Sorbent Type | Operational Efficiency |
| Labadie | No SO2 Controls Installed | | |

| NOX Controls | | | | |
|---------------------|-----------------------------------|-----------------|--------------------|--------------------|
| Plant | Device Type | Description | Capture Efficiency | Control Efficiency |
| Labadie | LOW NOX BURNERS | LOW NOX BURNERS | 100.00% | 70.00% |
| Labadie | MODIFIED FURNACE OR BURNER DESIGN | LOW NOX BURNERS | 100.00% | 70.00% |

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html