

# Duke Energy Gibson Station

Ash Management & BOP Capital Maintenance Projects



Total Capital Contracts: \$95,000,000  
2016 - Present



Resourceful.



Responsive.



Results.



OWENSVILLE,  
INDIANA





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Ash Management & BOP Capital Maintenance Projects / Owensville, IN  
Total Contracts: \$95,000,000 / 2016 - Present

Bowen self-performs all construction engineering, critical lift planning, site work, underground utilities, civil, structural steel, mechanical piping, equipment erection, and pre-engineered buildings.

## Dry Bottom Ash (\$58M):

Bowen's scope included the Civil and Structural/Mechanical/Electrical packages for UCC-provided SFC Systems, including all tie-in and piping/pump systems at each of the five units.

## Service Water/Process Water Redirects (\$30.5M)

Duke Energy selected Bowen to install multiple large sumps and interconnected piping to control SW/PW from the site. The team was able to give the owner back \$1.2 Million in value engineering.

## Air Heater Wash Redirect (\$4.2M)

Demolition of Bottom Ash Overflow Pumps/Tanks, installation of new sump pumps, and tie-in piping to route AH wash water through the ash sumps to the remote SW/PW sump basins.

## BOP Capital Maintenance Projects (\$2.1M)

Bowen is working/has completed BOP Maintenance and Outage Work throughout the Gibson site, including:

- Units 1, 2, 4 and 5 Bottom Ash Piping and Pipe Support Replacement
- Units 1 - 5 Abandoned Ash Piping Removal and Demolition
- Units 1, 4 and 5 Sluice Gate and Clinker Crusher Replacements
- Units 4 and 5 Seal Trough Piping Demolition and New Installation
- Units 2, 4 and 5 Pyrite Transfer Tank Repairs
- Unit 4 Fixation Process Filter Drum (3) and Pug Mill Replacements

## SAFETY SPECS

- 777,875 Craft Hours (2016 - Present)
- 0.51 OSHA Recordable Rate at Gibson
- 830+ Days since last Recordable
- 770+ Days since last First Aid

## PROJECT SPECS

### DBA

- 27,600 LF of Piping
- 7,500 LF of Welding
- 12,000 CY of Concrete
- 4 UCC SFC's
- 4 Surge / Maint. Tanks
- 53 Pump Systems
- 264' x 175' Building
- 2,000 Tons of Structural Steel
- Peak Man-Power: 212

### WATER REDIRECTS

- 23,465 LF of piping (3"-28")
- 10 tons of Structural Steel
- 22,500 CY Concrete
- 181,000 SF of Formwork
- 178,000 CY of Excavation
- 62,000 CY of Backfill
- 12,000 SF of Sheeting

### AIR HEATER WASH

- 2,307 LF of Piping (2"-14")
- 10 Pump Systems
- 5 Unit Outages

## PROJECT CONTACTS

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Scan with your Phone's  
Camera App to see video  
of Bowen projects at Gibson

Modular  
Piperack  
Install  
(Inc. Ash  
Piping)



Pug Mill  
Removal  
and  
Replace



RESOURCEFUL. RESPONSIVE. RESULTS.

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