

Whiting Refinery Modernization Project

About the project

- BP is investing \$3.8 billion (USD) in Northwest Indiana to modernize Whiting Refinery. Following the modernization project, the plant will have the capacity to process heavier raw crudes. This is the biggest private sector investment in Indiana history.
- The Whiting Refinery Modernization Project is essential to the long-term viability of the refinery.
- The modernization is helping to sustain approximately 1700 employees in Northwest Indiana over the long-term. The project is also contributing thousands of temporary contractor jobs to the community. Hundreds of contractor jobs will be needed for routine maintenance work - called 'turnarounds' – following the modernization.
- In addition to jobs, the project is generating indirect benefits for local Indiana businesses, and is contributing significantly to the tax base of local, state and federal governments for the funding of schools, environmental protection, and many other essential government services.

Status of the modernization project

- BP management is pleased with the safe and steady progress being made on the Whiting Refinery Modernization Project. Construction began at Whiting Refinery in May of 2008, after necessary permits were issued. The modernization is 47% complete, including engineering, procurement and construction activities.
- BP is constructing underground infrastructure for the modernization, and has begun above ground facility installation to support a new:
 - o **Gas oil hydrotreater:** a modern hydrotreater will remove more sulfur and nitrogen from gas oil.
 - o **Sulfur recovery complex:** we are enhancing our existing sulfur recovery capabilities to create a more efficient system that will remove more sulfur from our fuels product streams.

Whiting Refinery Modernization Project (Continued)

- o **Petroleum coker:** we are building a new state-of-the-art coker to replace the existing one. The new coker will enhance process safety through increased automation, increase petroleum coke production, and produce more naphtha.
- o **Distillation Unit:** we are reconfiguring the refinery's largest crude distillation unit to process heavier sour crudes, helping to replace some of the light sweet crude that is becoming more difficult to source.
- Infrastructure and demolition work continues to make room for new units.
- Large equipment has started arriving at the facility. The coke drums, vacuum tower, Gas oil hydrotreater reactors, and main fractionator have been delivered to the site. Some of the large equipment has been placed on foundations, with more work underway in this area.
- We have finished constructing a 54-acre barge unloading facility along the Indiana Harbor Ship Canal in East Chicago. The refinery has already received a significant portion of the major equipment planned for the site.
- BP constructed a 47-acre contractor trailer complex and parking facilities at 129th Street and Dickey Place on the southeast side of the refinery.
- The Whiting Refinery Modernization Project's detailed engineering activity is about 96% complete. Construction and module fabrication activities are well underway and will continue to pick-up.
- The majority of the new equipment has been ordered and is being fabricated.
- We are constructing pipe racks to accommodate above-ground pipelines. Some of the pipe rack modules have already been received with more in route.