

Bartow Repower Project:

More electricity and cleaner air with no new land.

Why are we doing a Repower?

- Progress Energy Florida is committed to delivering reliable electricity now and in the future. It is equally committed to preserving the natural environment that helps make this region so attractive. For these reasons, the company has developed a plan for repowering the Bartow Power Plant on Weedon Island.
- The repowering of the Bartow Plant will more than double the generating capacity of the existing site and provide significant environmental and system reliability benefits to the Tampa Bay area.
- It has been determined to be the most cost-effective expansion option for our ratepayers in order to meet the forecasted demand in 2009.

What is a Repower?

- The “repowering” of the Bartow facility means the site is switching fuel from No. 6 oil to natural gas and making technology changes to accommodate this switch.
- Combined-cycle combustion turbine technology will replace the existing oil-fired boilers.

Repower Benefits:

- It will more than double Bartow’s generating capacity, adding 715 megawatts.
- It will significantly reduce greenhouse gas emissions – including a 98 percent reduction of sulfur dioxide emissions.
- There will be increased system reliability due to transmission upgrades.
- The local economy will get a financial boost from taxes and increased revenue during the construction period.

Repower Project Details:

- Progress Energy Florida plans to install four combustion turbines (CT) and four heat recovery steam generators (HRSG). The HRSGs will use the exhaust heat from the CTs to produce steam, which will turn a steam turbine. The technology is similar to the existing power plant at the Hines Energy Complex in Polk County.
- This technology, known as combined-cycle, is a very efficient way of producing electricity because there is very little wasted heat energy.
- Construction will begin during the first part of 2007 and the project is set to be completed in 2009.

- The project will include the installation of the 4x4x1 combined-cycle technology, upgrading about four miles of underground transmission lines and the construction of a 17-mile long underwater natural gas pipeline by Gulfstream Natural Gas L.L.C.
- The main visible change on site will be the addition of eight, smaller 120-foot tall stacks. No decision has been made to remove the existing three 300-foot stacks.
- During construction, there will be a peak workforce of up to 500 people.

Minimal Impact to the Community:

- Progress Energy Florida will continue to work closely with the community to achieve a beneficial match between the concerns of the community and the technical requirements of construction.
- The company is working with Derby Lanes to provide parking for construction workers. The employees will then be carried by bus to the site, thus significantly reducing traffic.
- As many large pieces of equipment and materials as possible will be brought in via barge and not on the roads.
- The project has in place a Fugitive Dust Plan to mitigate dust levels.
- The transmission line work will take place in the existing transmission corridor and is not anticipated to disturb any neighborhoods for any length of time.

Protecting Weedon Island's History:

- Progress Energy Florida is working very hard to preserve the rich heritage and environment of the Weedon Island Preserve.
- The company commissioned an archeological survey of the entire site by Janus Research. This study was submitted to the Florida Division of Historical Resources on August 17, 2006. The agency agreed on Sept. 25, 2006, that no new archaeological sites were found within the boundaries of the project.
- Just in case, the project has in place an Unanticipated Finds Plan.
- All contractors working on the project will be briefed by a professional archeologist, who will also monitor construction activity.

To provide feedback, ask questions or sign up for updates:

- Please send an email to bartow.repower@pgnmail.com

The Bartow Repower Project is a powerful opportunity for the Tampa Bay area. It will provide more electricity and cleaner air without using new land.