

**FIU Wall of Wind (WoW) Project**  
**January 28, 2009**

The following items summarize the information provided to FPL to date as well as some requirements of the proposed FPL design. Based on this, FPL will be able to serve this project from the existing Feeder #8064 running E/W on Flagler Street.

**Items**

1. Load will consist of 12-700 HP motors operating at 4,160V. Total load about 7.8 MVA.
2. FIU will operate the motors during OFF Peak hours (outside of ON Peak Hours).
3. FIU will operate the motors 6 times per day @ 6 mins run time per test OR 12 times per day @ 3 mins run time per test (each case 36 mins total run time).
4. Variable Frequency Drives (VFDs) will start the motors from rest and gradually accelerate to full speed over a period.
5. Each VFD will control 6 motors. Thus 6 motors will start at a time. However, the motors can be gradually accelerated from rest to full load. Thus, starting current can be limited.
6. The drives have power factor (PF) correction internally, .96 displacement. PF capacitors are not needed on the output of the drives.
7. FIU's electrical design is to divide the 12 motors into two groups of six. Each group of motors is to be connected to 1-5MVA transformer (total of 2) via a 4.16 KV bus.
8. FPL will extend the line from Flagler Street into FIU's site to the location designated by FIU at the motor load center.
9. Any other load (other than fan load) required by the WoW project is to be connected to a different source and not to the 5 MVA TX's.
10. FPL will finalize the design and provide contribution required upon receipt of an approved set of electrical plans and other information from FIU.
11. FIU will need to enter into a Facilities Rental Agreement, pay for any contribution, and provide the required easements before the facilities are installed.
12. This FPL design provides and is limited to serve the 7.8 MVA motor load described above. FIU agrees that any changes requested to modify the FPL facilities in the future due to new loads or for any other reason will have to be reviewed by FPL to determine feasibility and contribution required.

**Notes**

1. See GSLDT-2 Rate Schedule
2. FIU needs to submit letter to FPL confirming items 1 through 6 and 12