

## Rockledge - Re-Use Water System Upgrade

Florida



Skids dielectrically isolated from the concrete and ferrous component.



View of the discharge head end of skid pump station.



Site installation of buried pump barrels assembly.



Remote mounted VFDs, distribution equipment, and PLC controls also provided by EFI.

### Project Data:

- Capacity is 14 mgd (10,000 gpm) total station flow with 4 (four) pumps running at build-out.

Prefabricated, factory-built skids two (2), booster pump re-use water system upgrades: Skid 1 - with 4 (four) two-stage 150 HP - 1800 RPM pumps with 150# discharge head pressure; Skid 2 - (not pictured) with two (2) 6-stage 20 HP - 1800 RPM pumps with 150# discharge head pressure.

### Project Scope:

Design: Booster Station design by Engineered Fluid, Inc.

Contractor: Direct Purchase from Engineered Fluid, Inc. including on-site station installation.

Installed Date: 4-11-05

Start-up Date: 7-13-05

### Participants:

Owner - City of Rockledge, Florida, Allen M. LaDuke, Director, 321-690-3975

Consulting Engineer - Jones, Edmunds & Associates, Inc., Gainesville, Florida, 352-377-5821

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Vertical turbine pumps shown here with discharge piping and electrical equipment building in the background.