

Project Profile

Lake Havasu City, Arizona - North Pointe Booster Pump Station
Arizona American Water Company

www.engineeredfluid.com



Station interior with pumps and hydro. tanks, header pipes, and valving and bridge crane.



Station interior with PLC based controls and telemetry in the EFI Water-Shed building.



Exterior of pump station with stand-by generator all on factory-built steel skid.



Ground service tank with pump station.



Finished station on start-up day with EFI service truck next to pump station.

Project Data

Project Scope:

Transmit water into a new home development of approximately 120 single family homes with potential for growth.

- Capacity of 3.2 mgd (2250 gpm) total station flow with five pumps running.

Prefabricated, Factory-Built Booster Pump Station with stand-by-by engine generator set; 120 connected horsepower for 5 end suction pumps, one 50-gpm, one 200-gpm, two 500-gpm and one 1000-gpm; with all mechanical components and systems installed in a 12'-0" x 29'-0" x 8'-6" building with base structure.

Design: Booster Station Design by Engineered Fluid, Inc.,

Order Date: 9/12/05

Installed Date: 11/28/06

Start-up Date: 1/16/07

Participants

Operations Engineer: Arizona American Water Co., Jeffrey Hill, P.E., 623-445-2409, Jeffrey.Hill@amwater.com

Consulting Engineer: David Mosser, P.E., Morrison-Maierle, Inc., 480-517-5800, dmosser@m-m.net

Installing Contractor: Atlantis Construction & Development, Bryant Peters, Elmo Smith, 928-759-3855