

Project Profile

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

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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 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