

# Chilled Water Radios and Commerce St. Chillers Controls and EMS Replacement Project

**Jeff Ray, EIT**

Project Engineer, Treatment & Recycle Engineering

February 18, 2014



Pre-submittal Conference

# Introduction

- Sign attendance sheet
- Owner:
  - Jeff Ray – Project Engineer  
SAWS Treatment & Recycle Engineering
  - Marc Ripley – Contract Administrator  
SAWS Contracting

# RFQ Schedule



# Point of Contact for Questions

## Marc Ripley – Contract Administrator

Fax: 210-233-3136

E-Mail: [mripley@saws.org](mailto:mripley@saws.org)

Contracting Department

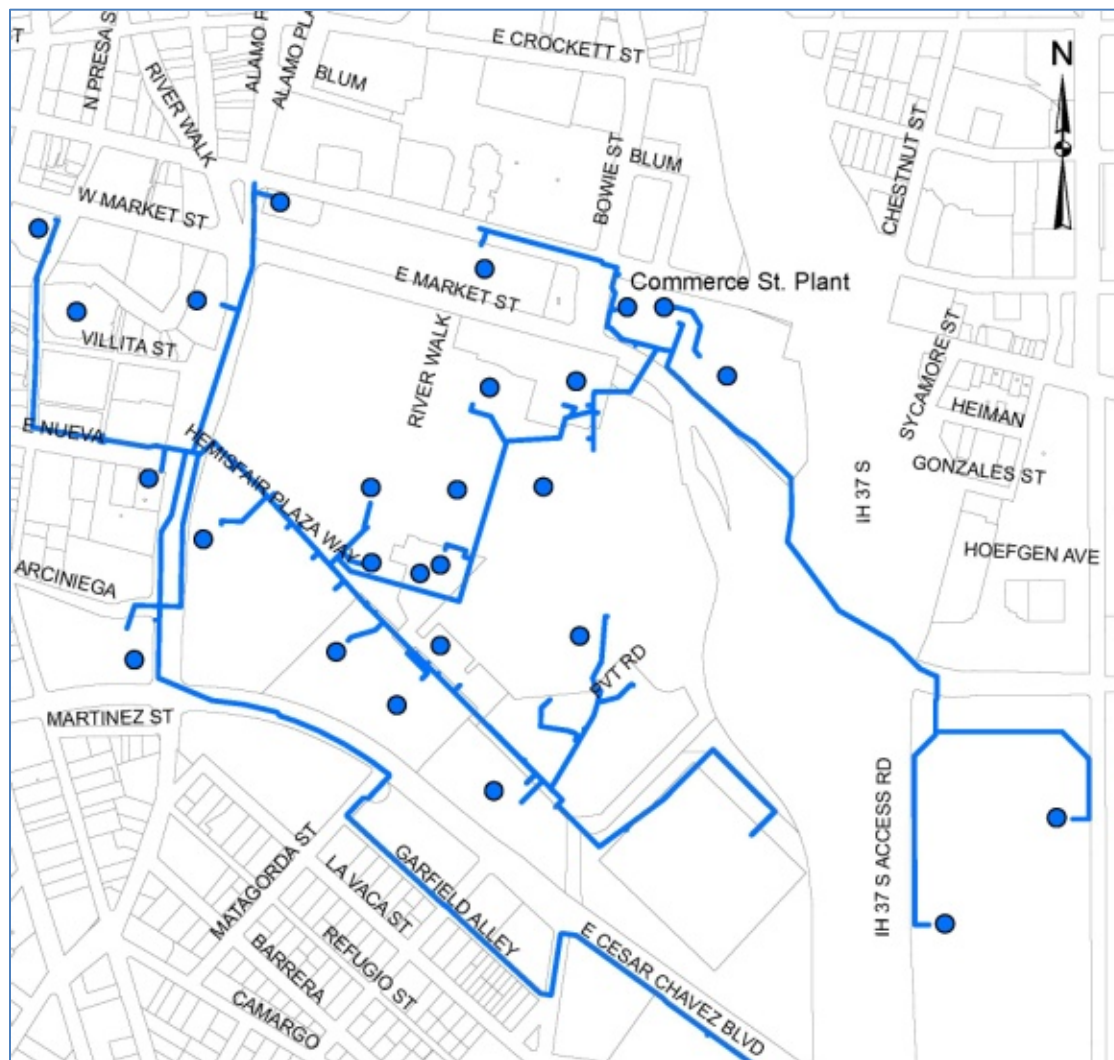
2800 US HWY 281 N. San Antonio, TX 78212

**Note:** SAWS Project Managers and Engineers will not respond to any questions submitted by phone and / or email directly to them

# Evaluation Criteria

- Project Team Resumes and Experience in Similar Projects – 40 Points
- Project Approach – 30 Points
- QA / QC and Risk Management – 15 Points
- SMWB Participation – 15 Points

# Chilled Water Facilities – Location Map



# Chilled Water Customer – Typical Radio/Antenna



Convention Facilities Administrative Services

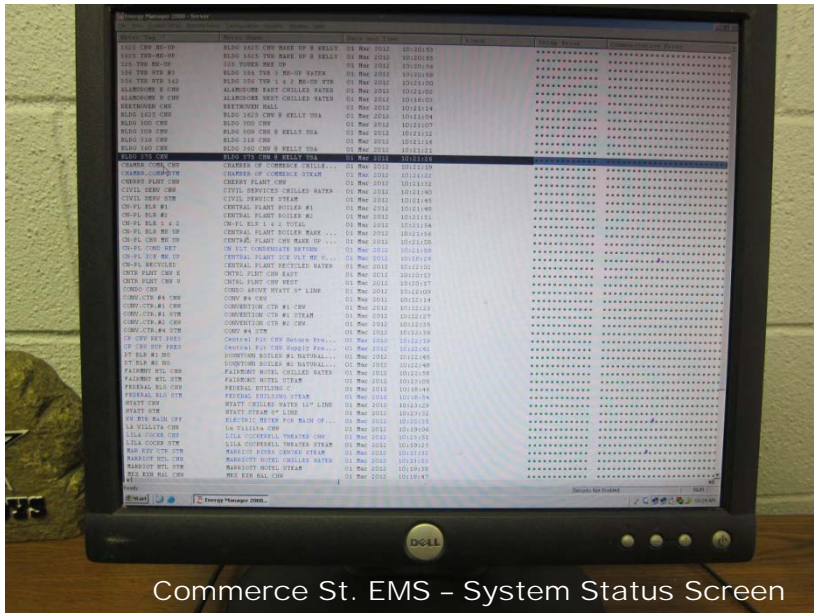
# Chillers No. 1-5 – Typical Control Panel



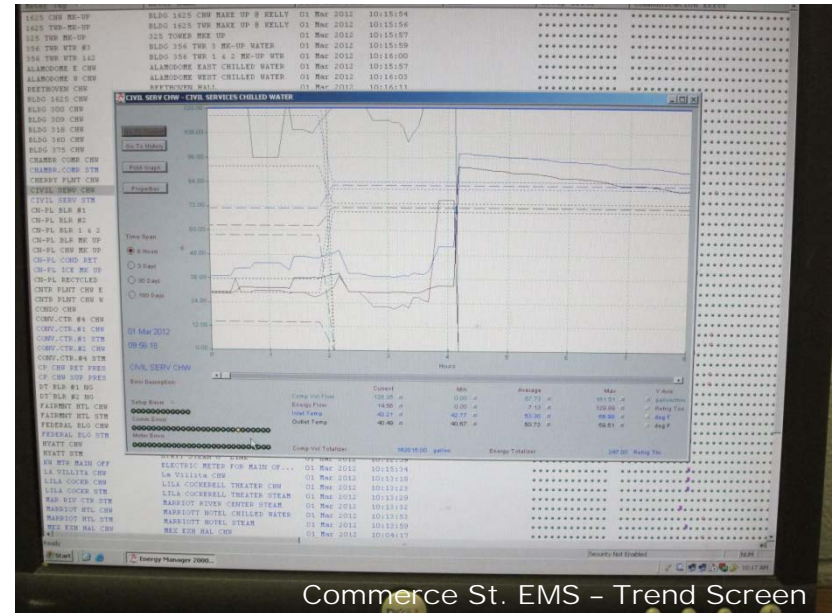
Commerce St. Chiller Panel w/ Allen-Bradley PLC-5 Controller (Typical 5 Chillers)



# Energy Management System



Commerce St. EMS – System Status Screen



Commerce St. EMS – Trend Screen

- Two servers (main and backup)
- FloWise Energy Manager 2000 software
  - Chilled water differential temperature and flow

# Chilled Water Facilities

## Scope Items

- Replace radios/antennas at Commerce St. and (23) chilled water customer buildings
- Replace control system/PLCs for five 2,000 ton chillers at Commerce St.
- Replace top end hardware/software system for chilled water system at Commerce St.
- Replace Energy Management System at Commerce St.

# Questions



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