

DISTRICT COOLING “ Basically, a District Cooling System (DCS) distributes thermal energy in the form of chilled water or other media from a central source to multiple buildings through a network of underground pipe for use in space and process cooling. The cooling or heat rejection is usually provided from a central cooling plant, thus eliminating the need for separate systems in individual buildings.” -National Climate Change Committee

DISTRICT COOLING SYSTEMS

Taylor RyMar Corporation has extensive experience in the design and analysis of district cooling systems. We work with Northwind Phoenix, LLC to help their customers analyze costs and payback associated with connecting to the district cooling systems; including the savings associated with not having chillers and cooling towers in their own facilities. Our experience also includes complete district cooling plant design and construction management.

District Cooling Plant Experience

- ◆ Northwind Phoenix Plant #1 Consulting
- ◆ Northwind Phoenix Plant #2 Design and Construction Management
- ◆ Arizona State University Polytechnic Campus District Cooling
- ◆ Downtown Phoenix District Cooling Piping Installation Construction Management
- ◆ Customer DSC Connection Payback Analysis

District Cooling Plant Features—Northwind Phoenix Plant #2

- ◆ Medium Voltage Power Distribution
- ◆ 1.2 Million Gallon Thermal Storage Tank
- ◆ (4) 2000-ton dual compressor, 15KV chillers
- ◆ (2) 2000-ton single compressor, 15KV chillers
- ◆ (2) 1000-ton should load chillers

