

***Industrial Fiberglass Specialties Group  
Fiberglass Piping Subaqueous Experience***

<b><i>Owner/Design Engineering Firm</i></b>	<b><i>Plant Name, Location</i></b>	<b><i>Date Installed</i></b>	<b><i>Project Piping</i></b>	<b><i>Dia./ Footage</i></b>	<b><i>PSI</i></b>	<b><i>Joint System</i></b>	<b><i>Water Body</i></b>
New England Power Corp. Bechtel Power Corp.	Manchester Street Station Providence, RI	1994	Outfall 72"	72"/350'	15	Single Gasketed	Providence Harbor
CEL PAC Simons Eastern VBC	Celpac, Chile	1989	River Crossing	900 mm/ 900'	150	Molded Key Double Gasketed	Rineno River
Boston Water & Sewer RussCor Engineering	SE Plant Boston, MA	1986	On 30' of silt (no piles)	84"/760'	15	Double Gasketed Harnesses	Boston Harbor
City of Destin, FL Baskerville-Donavan	Destin Harbor, FL	1986	Sewer Outfall	84"/2000'	15	Double Gasketed Harnesses	Gulf of Mexico
Long Island Lighting Co. RussCor Engineering	Shoreham Nuclear Shoreham, NY	1986	Four Subaqueous Manways Installed in 8', 10' & 12' pipe	48"/80'	15	Saddle Tee Bolted Connection	Long Island Sound
Upper Peninsula Gen. RussCor Engineering	Upper Peninsula Marquette, MI	1986	Subaqueous Manways 48" into 66"	42"/20'	15	Saddle Tee Bolted Connection	Lake Superior
Boston Sanitary Commission Wholaham, Grill & Partners	Deer Island Boston, MA	1983	57 Diffusers	30"/13,500'	150	Single Gasketed	Boston Harbor
Azzwiya Oil Stone & Webster Engineering Corp.	Azzwiya Oil Ras Lanuf, Libya	1982	Intake System	144"/8000'	15	Single Gasketed	Mediterranean Sea
Electricidad Inelectra SA	Toca Units 5-9 La Guiya, Venezuela	1979	Intake System	96"/1200'	15	Single Gasketed	Gulf

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Central Maine Power Co. Augusta, ME	William F. Wymore Station #4 Augusta, ME	1977	Outfall Line	9'/408'	44	Single Gasketed	Cisco Bay
Portland Water District Maine Camp, Dresser & McKee	Portland Sewage Treatment Portland, ME	1977	River Crossing	1.5'/240' 2.5'/620'	10 40	Bell & Spigot External Weld Gasketed	Back Cove
Scott Paper Hazen & Sawyer	Scott Paper Mobile, AL	1977	River Crossing Mill Effluent	72"/750'	45	Double Gasketed	Chickasaw Creek
Long Island Lighting Co. Stone & Webster Engineering Corp.	Shoreham Nuclear Power Station Shoreham, NY	1976	Discharge Line Outfall	6'-12' /10,000		Single Gasketed	Long Island Sound
Salem Waterworks Camp, Dresser & McKee	Salem Beverly Water Treatment Beverly, MA	1976	Water Intake Line	3.5'/366'	0	Bell & Spigot External Weld Gasketed	Reservoir
Maine Yankee Atomic Power Co. Stone & Webster Engineering Corp.	Maine Yankee Atomic Power Station Wiscasset, ME	1975	Ribbed Circulating Water Diffuser Line System	5-9'/4780'	-10 to 20	Gasketed (CorFin)	Montsweag Bay
New Bedford Mass Waterworks Camp, Dresser & McKee	New Bedford Water Treatment Plant New Bedford, MA	1975	Ribbed Water Intake Line	5'/1250'	0	Gasketed (CorFin)	Quittacas Pond
United Illuminating Company United Engineers & Contractors	Coke Works Station Unit 1 New Haven, CT	1974	Ribbed Circulating Water Discharge Line Outfall	9'/650'	2	Bell & Spigot Internal Weld Gasketed (CorFin)	New Haven Harbor
Mississippi Power & Light Co. Bechtel Engineering Corp.	Mississippi Power Greenville, MS	1973	Ribbed Circulating Water Discharge Line	8'/1000'	10	Bell & Spigot Internal or External Weld	Mississippi River

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Tampa Electric Co. Tampa, FL Stone & Webster Engineering Corp.	Big Bend Unit 3 North Ruskin, FL	1973	Thermal Dilution Headers (2)	46'x19' Offset 12'	15	Butt & Strap	Tampa Bay
Upper Peninsula Generating Co. Marquette, MI Stone & Webster Engineering Corp.	Presque Isle Station Units 5 & 6 Presque Isle, MI	1973	Ribbed Circulating Water Lines, Intake & Discharge	5.5'/3200' 8'/2300'	20 1.5	Bell & Spigot Internal Weld Gasketed (CorFin)	Lake Superior
Mississippi Power & Light Co. Southern Services Corp.	Mississippi Power Gulfport, MS	1972	Discharge Canal Pipe Bridge Road Crossing	8'/320'	0	Butt & Strap	Discharge Canal
Brunswick Pulp & Paper Co. Rust Engineering Corp.	Brunswick Paper Brunswick, GA	1970	Paper Mill Waste Effluent	4'/600'	15	Bell & Spigot	Brunswick River
Arcadian (PCS) Technip USA (formerly KTI Fish)	PCS Trinidad, West Indies	1995	Salt Water & Fresh Water Cooling Water Lines	2-42"/ +2,000'	75	2"-24" Adhesive Bell & Spigot, 24" & 36" O-Ring Bell & Spigot, 12"-42" Butt & Strap, Misc. Flanged	Atlantic
City Electric Service Black & Veatch	Stock Island Plant Key West, FL	1994	Salt Water Condenser Water Piping	8- 42"/ +600'	150	Flanged, O-Ring Bell & Spigot & Butt & Strap	Atlantic
Florida Power (Maintenance)	Anclote Plant Tarron Springs, FL	1995	Salt Water Condenser Water Piping	72", 84"/ +120' *1	25	Butt & Strap	Gulf of Mexico

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<sup>1</sup> These piping systems include several thousand feet of pipe and have been in continuous service since the late 1970s.

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Florida Power Cleveland Consolidated (Contractor)	Crystal River Plant Crystal River, FL	1985	Salt Water Cooling Water Piping	20", 24"/ +800'	150	Adhesive Bell & Spigot, Butt & Strap	Gulf of Mexico
Ionics Montgomery-Watson	Ionics Deslination Plant Point Lisas, Trinidad, West Indies	2001 & 2002	Salt Water & Finished Water Piping	16-48"/ +7,000'	50- 150	Butt & Strap, O-Ring Bell & Spigot	Atlantic
Covanta King Engineering	Tampa Bay Water Teco Big Bend Plant	2003	Salt Water Feed Lines & Process Lines	24-54"/ +2,500'	25- 150	Butt & Strap, O-Ring Bell & Spigot	Tampa Bay
City Electric Service Black & Veatch	Key West, FL	1994	Salt Water Condenser Water Piping	8- 42"	150	Flanged	Atlantic
Arcadian Corp KTI Fish	Point Lisas, Trinidad, West Indies		Fresh Water & Salt Water Piping	3-42"/ +5,700'	75	Butt & Strap, Adhesive Bell & Spigot, O-Ring Bell & Spigot, Flanged	Atlantic