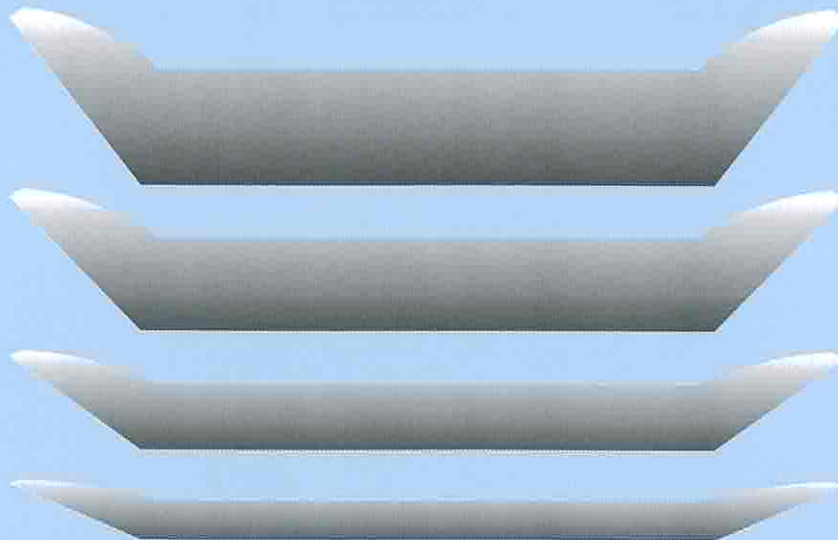


**SUPPLY
RECORD
OF
BRIDGESTONE**

RUBBER DAM



SUPPLY RECORD OF BRIDGESTONE RUBBER DAM

WHAT IS RUBBER DAM?:

The Bridgestone Rubber Dam is a remotely operated gate for water control. It is comprised of a nylon reinforced rubber body secured to a concrete foundation with a unique anchor mechanism. When the body is filled with air from a blower, it rises to block water. When the air is released through an exhaust valve, the body lays flat on its foundation to permit the free flow of water. The Rubber Dam can be installed in span over 200 meter long and can be produced in heights of up 6 meters.

QUICK AND EASY:

The Bridgestone Rubber Dam is quick and simple to install. It can be placed on a new foundation or retrofitted to an existing weir or spillway crest even if it is curved. Installed cost is typically much less than required for steel gates.

PROVEN IN THE FIELDS:

Since the first installation in 1978, over 1,000 Bridgestone Rubber Dams have been installed in 20 countries, from steep river in Japan to tropic island in Indonesia and desert of Australia to icing river of USA cross to South America. The Rubber Dam is no longer a new product or unusual technology but a proven and valuable contribution to Irrigation, Hydroelectric, Recreation and Water Conservation projects throughout the world.



Ramspol
8.0Hx60Lx3S

In helping to manage our precious water resources, the Bridgestone Rubber Dam is truly a product which lives up to Bridgestone's motto to "serve society with products of superior quality."

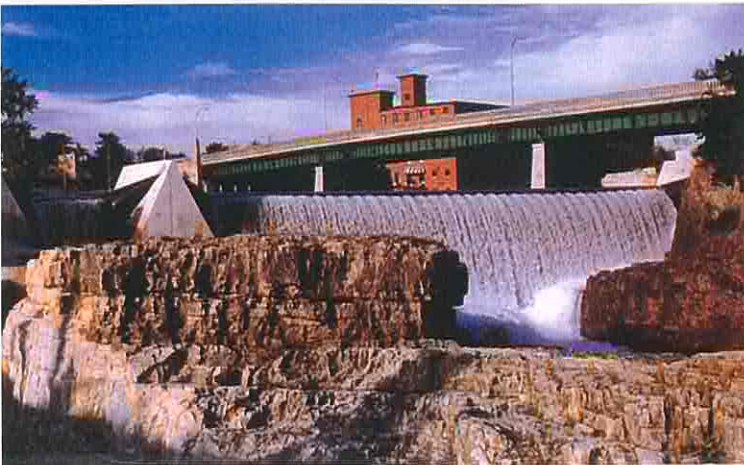
HYDRO POWER



Rainbow Dam/USA
3.66Hx67.7Lx2S



Essex-19/USA
1.5Hx21+34+52L



Winooski I/USA
2.59Hx40.1L+2.59Hx6.1L



High Gate Falls/USA
4.88Hx67.1L

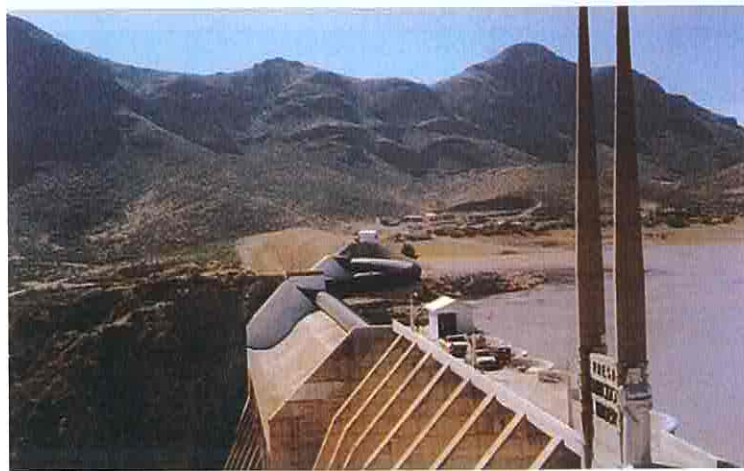
IRRIGATION



Mirani Weir/Australia
1.8Hx107.25L



Brantas River Menturas/Indonesia
2.1Hx126L/6S



Las Virgenes/Mexico
3.0Hx112L(Arch)
3.0Hx148L(Straight)



Tana/Kenya
2.25Hx49.5L

WATER SUPPLY



Tegucigalpa/Honduras
3.5Hx63L



Santa Fe/USA
1.8Hx171.5Lx1S
(The Longest Span)

GROUND RECHARGING



Alameda Creek/USA
3.96Hx88.8L
(Center Recess for V-knotch control)



Walnut Creek/USA
3Hx135Lx1S
(Ceramic Armoured)

TIDAL BARRIER



Yueng Long/Hong Kong
3.0Hx59.0L



Naruse River/Japan
2.3Hx42.1Lx3S

BIG RESERVOIR



Huay San Pad/Thailand
2Hx17.8Lx3S



Surtartangi/Iceland
1.9Hx79.5Lx5S

NAVIGATION



Lunde/Norway
2.92Hx64.4L



Kjeldal/Norway
2.03Hx84.08L

RECREATION



Susquehanna/USA
2.44Hx88.7Lx6S+50.6L



Sung Nae Olympic Villa/Korea
2.2Hx32L

SEWAGE



Detroit/USA
2.0Hx4.42W
(Square Type Semi Closure)



Cleveland/USA
1.8Dia
(Round Type Full Closure)

WATER FILLED SYSTEM



Dryden/USA
0.91Hx57.95L



Sonoma/USA
3.3Hx36.9L

CREST UP



Jejeruk/Indonesia
2.3Hx28.68Lx1S



PIT 3/USA
1.83Hx25.53Lx4S



Bolton Falls/USA
1.52Hx59.47L



Non Wai/Thailand
0.6Hx125Lx1S

REHABILITATION



Angat /Philippines
2.5Hx76Lx6S
From Steel Gate



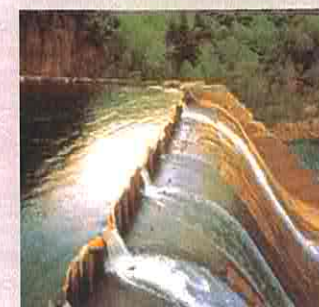
TEPCO Hakone/Japan
2.00Hx13.34Lx3S
From Drum Gate



Lunde/Norway
2.92Hx64.4Lx1S
From Needle Gate



Hudson River/USA
1.83Hx45.5L+61.6L
From Flash Board



International Supply Records of Bridgestone Rubber Dams

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M)	QTY	APPLICATION	OPERATION SYSTEM	NOTES
1982	Chen Lili Xi	Taiwan	1.30 × 8.00	× 1	Irrigation	SYS-1	
1982	Shashan	Taiwan	2.20 × 25.00	× 1	Irrigation	SYS-1	
1982	Dongshi	Taiwan	1.00 × 16.0	× 1	Irrigation	SYS-1	
1982	Indus River	Hong Kong	2.75 × 30.00	× 1	Water Supply	SYS-1-1	(Fabridam Replacement)
1983	Vaca Dam	Philippines	2.00 × 12.34	× 3	Irrigation	SYS-1	(Steel Gate Replacement)
1984	Susquehanna River #4	U.S.A.	2.44 × 88.7	× 1	Recreation	SYS-1-1	(Fabridam Replacement)
1984	Peinan River	Taiwan	1.80 × 10.00	× 1	Irrigation	SYS-1	
1985	Non Wai Dam	Thailand	0.60 × 125.00	× 1	Irrigation	SYS-1-1	(Crest-up)
1985	Felton Dam	U.S.A.	2.44 × 22.40	× 1	Water Storage/Division	SYS-7	(Fabridam Replacement) V-Notch Control
1985	San Gabriel River #3	U.S.A.	2.38 × 30.48	× 1	Groundwater Recharging	SYS-1-3	(Fabridam Replacement)
1985	Susquehanna River #5,#6	U.S.A.	2.44 × 88.70	× 2	Recreation	SYS-1-1	(Fabridam Replacement)
1985	Songnae Chon	Korea	2.2 × 32	× 1	Irrigation	SYS-1	
1986	Weeks Falls	U.S.A.	2.50 × 22.86	× 1	Hydropower	SYS-7(SCUL) +50MM	5MW plant V-NOTCH CONTROL
1986	Mirani Weir	Australia	1.80 × 107.25	× 1	Irrigation	SYS-5(SCIP) 2.2M-M	(Crest-up) V-NOTCH CONTROL
1986	Susquehanna River #2,#3	U.S.A.	2.44 × 88.70	× 2	Recreation	SYS-1-1	(Fabridam Replacement)
1986	Gon Lau River	Taiwan	1.50 × 27.0	× 2	Irrigation	SYS-1	
1987	San Gabriel River #6	U.S.A.	2.13 × 61.00	× 1	Groundwater Recharging	SYS-5	
1987	Palmer Falls	U.S.A.	1.83 × 61.62 1.83 × 45.48	× 1 × 1	Hydropower	SYS-5(SCIP)	(Flashboard Replacement)
1987	Los Angels River	U.S.A.	2.13 × 39.62	× 1	Recharge/Irrigation	SYS-5	(Fabridam Replacement)
1987	San Gabriel River #4	U.S.A.	1.83 × 61.00	× 1	Groundwater Recharging	SYS-5	
1987	Altoona City	U.S.A.	1.53 × 35.70	× 1	Drinking Water	SYS-1	(Crest-up)
1987	Shing Chu River	Taiwan	1.60 × 8.00	× 1	Flood Control	SYS-1	
1988	Detroit Sewage	U.S.A.	2.00 × 4.42	× 2	Sewage Flow Regulator	SYS-1	Flow Regulator, Polluted Water
1988	Citrus Spreading Ground	U.S.A.	0.82 × 9.15	× 1	Groundwater Recharging	SYS-5	
1988	Dae Am	South Korea	0.90 × 31.80	× 1	Groundwater Recharging	SYS-1	
1988	San Gabriel River #8	U.S.A.	1.82 × 73.15	× 1	Groundwater Recharging	SYS-1-3	
1988	San Gabriel River #7	U.S.A.	1.82 × 60.97	× 1	Groundwater Recharging	SYS-1-3	
1988	San Gabriel River #5	U.S.A.	1.82 × 60.97	× 1	Groundwater Recharging	SYS-1-3	
1988	Broadwater Power	U.S.A.	3.35 × 15.54	× 7	Hydropower	SYS-7(SCUL) +50MM	(Crest-up) Winter temperature to-40C

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M) QTY	APPLICATION	OPERATION SYSTEM	NOTES
1988	Boddington	Australia	0.90 × 13.50 × 1	Mining Reservoir	SYS-3	(Crest-up)
1988	Pit River Dam #3	U.S.A.	1.83 × 25.53 × 3	Hydropower	SYS-5(SCIP)	Large Arch Dam (Crest-up)
1988	Tin Shui Wai	Hong Kong	2.20 × 52.50 × 1	Tide Barrier	SYS-3	CSCES
1988	Susquehanna River #1,#7	U.S.A.	2.44 × 88.70 × 1 2.44 × 50.60 × 1	Recreation	SYS-1-1	(Fabridam Replacement) World's Longest Completed
1988	Too Puu Kei	Taiwan	1.0 × 30.0 × 1	Irrigation	SYS-1	
1989	Rainbow	U.S.A.	3.65 × 67.05 × 2	Hydropower	SYS-7(SCUL) +50MM	Extreme Cold Weather Environment (Flashboard Upgrade)
1989	Fukubasen	Taiwan	2.20 × 5.00 × 1	Irrigation	SYS-1	
1989	Tauranga	New Zealand	1.60 × 16.00 × 1	Hydropower	SYS-1	
1989	Lunde	Norway	2.92 × 64.40 × 1	Hydropower&Navigation	SYS-7(SCUL) +50MM	(Needle gate Replacement)
1989	Alameda	U.S.A.	3.96 × 88.8 × 1	Groundwater Recharging	SYS-5(SCIP)	Ceramic Cover
1989	Kjeldal	Norway	2.03 × 84.08 × 1	Hydropower&Navigation	SYS-7(SCUL) +50MM	(Needle gate Replacement)
1989	Sand Creek	U.S.A.	2.74 × 24.38 × 1	Recreation	SYS-6 +150MM	Ceramic Cover (Fabridam Replacement)
1989	Uirimji / Che-Chen	South Korea	2.50 × 12.0 × 1	Irrigation(Crest-up)	SYS-1	
1989	Paek-Kok-Ji / Je-Cheon	South Korea	1.24 × 25.0 × 1	Irrigation(Crest-up)	SYS-1	
1990	Hafslund,Vamma	Norway	1.70 × 44.00 × 1	Hydropower	SYS-5(SCIP)+2.0 -0.3M	(Crest-up)
1990	Reimei Irrigation	Taiwan	1.40 × 21.80 × 1	Irrigation	SYS-1	
1990	Brantas / Menturas	Indonesia	2.10 × 7.20 × 2 2.10 × 12.60 × 1 2.10 × 16.20 × 1 2.10 × 29.20 × 1 2.10 × 63.60 × 1	Irrigation	SYS-2 (Auto Electrical Deflation)	OECE Loan
1990	Shin Chon #2	Korea	1.80 × 25.00 × 1	Visual Recreation	SYS-1	
1990	Lam Pao	Thailand	2.00 × 15.0 × 3	Irrigation	SYS-6 +150MM	(Crest-up)
1990	Huey Sam Pad	Thailand	2.00 × 17.80 × 3	Irrigation	SYS-7(SCUL) +100MM	
1990	Yuen Long	Hong Kong	3.0 × 59.00 × 1	Sewage Control Tidal Barrier	SYS-5	
1990	Mill Run	U.S.A.	1.83 × 12.00 × 2	Drinking Water	SYS-5(SCIP)	(Fabridam Replacement)
1990	Gou Lau	Taiwan	1.00 × 27.0 × 1	Irrigation	SYS-1	
1990	Shin Chon #1	Korea	1.00 × 65.35 × 1	Visual Recreation	SYS-1	
1991	Shin Chon #4	Korea	1.50 × 50.65 × 1	Visual Recreation	SYS-1	
1991	Shin Chon #5	Korea	1.70 × 50.747 × 1	Visual Recreation	SYS-1	
1991	Sa Yeon	Korea	1.50 × 56.00 × 1	Irrigation(Crest-up)	SYS-1	
1991	Green Island	U.S.A.	0.61 × 7.32 × 1 0.61 × 54.29 × 1 0.61 × 55.82 × 1 0.6 × 57.34 × 1	Hydropower	SYS-5'(SCIP+ Oscillation Control)	Flashboard Upgrade
1991	Brazeau Rlver	U.S.A.	3.35 × 82.00 × 1	Water Control Power canel Flood protection	SYS-1	Air Inflation & Water Deflation

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M)	QTY	APPLICATION	OPERATION SYSTEM	NOTES
1991	Bolton Falls	U.S.A.	1.525 × 59.475	×1	Hydropower	SYS-6(SCIP)	(Flashboard Upgrade) V-NOTCH CONTROL
1991	Beas River BR8,9,10,11	Hong Kong	1.60 × 13.04 1.40 × 13.00 1.24 × 16.76 0.70 × 10.80	×1 ×1 ×1 ×1	Irrigation	SYS-1	
1991	Shouka	Taiwan	2.70 × 9.00	×1	Irrigation	SYS-1	
1991	Sylvan 2	U.S.A.	1.27 × 5.95	×1	Hydropower	SYSTEM-1-1	(Flashboard Upgrade) Temp to -40°
1992	Beas River & Yuen Long BR16 & YLN65,117	Hong Kong	2.0 × 32 1.8 × 12.4 1.4 × 22.2	×1 ×1 ×1	Irrigation	SYS-1	MARSHAL KARSON
1992	Kumhogang	Korea	1.5 × 30	×1	Visual Recreation	SYS-1	
1992	Dairenpi	Taiwan	3.2 × 13	×1	Irrigation	SYS-1	
1992	Shinchiku	Taiwan	1.75 × 24.247	×1	Irrigation	SYS-1	
1992	Claude Wharton	Australia	1.65 × 79.1	×2	Irrigation	SYS-5(SCIP) +1.9M & -1.95M Def and Manual inflation	(Crest-up)
1992	Dryden	U.S.A.	0.915 × 57.95	×1	Fish Hatchery Diversion	SYS-1	Water Filled System
1992	Winooski	U.S.A.	2.59 × 6.1 2.95 × 40.1	×1 ×1	Hydropower	SYS-5(SCIP)	
1992	Cleveland Sewer Gate	U.S.A.	2.9 × 2.9 3.05 × 3.05 1.42 × 2.44	×1 ×1 ×1	Sewage	SYS-1	Expan Gate (Full Tunnel Closure)
1992	Sissiboo Falls	Canada	2.44 × 12.2	×7	Hydropower	SYS-5(SCIP)	Ogee Crest(8-0')
1992	Banga South Cotabato (Epron Rubber)	Philippines	2.0 × 3.0	×1	-	-	
1992	Eina Dam	Norway	0.5 × 20	×1	Hydropower	SYS-1	AX-FIXING
1992	Gubeng/Surabaya	Indonesia	2.85 × 12	×2	City Flashing	SYS-3	OEFC Loan Ceramic Cover Double Ancher
1992	Kan Tin & Yuen Long YLN162,189&191	Hong Kong	1.4 × 12.0 2.0 × 7.5 1.7 × 12.0	×1 ×1 ×1	Irrigation	SYS-1	Luen Cheong Tai
1992	Hazelton B	U.S.A.	0.92 × 70.15	×1	Hydropower	SYS-6	
1992	Highgate Falls	U.S.A.	4.57 × 66.45	×1	Hydropower	SYS-7(SCUL)	Ogee Crest(15-0')Heavy ice
1992	Eagle Bend	U.S.A.	3.28 × 8.43	×1	Water Storage	SYS-5	Air Inflation Water Deflation
1992	Shin Chon	Korea	1.5 × 50.65	×1	Visual Recreation	SYS-1	(Replacement)
1993	Nan Dea Chon #2	Korea	2.0 × 50.0	×1	Irrigation	SYS-1-1	
1993	Ohmurahaisui	Taiwan	2.6 × 8	×1	Irrigation	SYSTEM-1-1	
1993	Heuvelton	U.S.A.	3.2 × 8.54	×2	Hydropower	SYS-6	(Crest-up)
1993	Five Coves	U.S.A.	2.13 × 97.56	×1	Groundwater Recharging	SYS-5	
1993	Yueng long YLN160	Hong Kong	1.5 × 11	×1	Irrigation	SYS-1-1	
1993	Capay Diversion	U.S.A.	1.5 × 142.2	×1	Irrigation	SYS-5	Ceramic Cover

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M) QTY	APPLICATION	OPERATION SYSTEM	NOTES
1993	Dodge Falls	U.S.A.	0.61 × 22.86 × 1	Hydropower	SYS-5	(Flashboard Upgrade)
1993	Jati/Madium	Indonesia	3.0 × 21.2 × 2	Irrigation	SYS-2	OECF Loan
1993	Gombal/Ponorogo	Indonesia	2.4 × 23.22 × 1	Irrigation	SYS-1-2	OECF Loan
1993	Kori/Ponorogo	Indonesia	2.5 × 15.11 × 2	Irrigation	SYS-1-2	OECF Loan
1993	Kedung Celeng/Madium	Indonesia	2.0 × 17.76 × 1	Irrigation	SYS-1-2	OECF Loan
1993	Sungkur/Ponorogo	Indonesia	2.8 × 20.22 × 2 2.8 × 19.47 × 1	Irrigation	SYS-1-2	OECF Loan
1993	Tirtonadi/Solo	Indonesia	2.25 × 30.0 × 1	City Flashing	SYSTEM-1-2	Double Anchor
1993	Horseshoe Bend	U.S.A.	2.44 × 15.24 × 1	Hydropower	SYS-5 SYS-6	
1993	Cleveland	U.S.A.	RF09' × 1 RS6' 1 BF3'-10' 4'-3 1/2" 1 RF5'-1 3/8 1	Sewage	SYS-6	Flow Control
1993	Vanan	Sweden	1 × 27 × 1	Recreation	SYS-6	
1993	Soo River	Canada	2.0 × 14 × 1	Hydropower Diversion	SYS-6	New Construction(diversion)
1993	Tlaxcala	Mexico	1.5 × 13.8 × 1	Irrigation	SYS-1-1	
1994	Tegucigalpa	Honduras	3.5 × 63 × 1	Water Supply	SYS-6	Spillway control iBRD loan
1994	Laba Lembangan	Malaysia	2.5 × 12 × 1	Irrigation	SYS-1	
1994	McDougall	Canada	1.9 × 25.5 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1994	Mount Piper Power Station Units 1&2	Australia	3.5 × 29.26 × 2	Hydropower	SYS-6'	
1994	Mineral Ridge	U.S.A.	0.45 × 78 × 1	Water Supply	SYS-6	(Flashboard Upgrade)
1994	Walnut Creek	U.S.A.	3 × 135 × 1	Groundwater Recharging	SYS-5	
1994	Proctor	U.S.A.	0.9 × 24.8 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1994	Glenford	Canada	1.7 × 74.7 × 1 1.7 × 8 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1994	Colusa	U.S.A.	1.5 × 16.5 × 1	Irrigation	SYS-5	
1994	Windsor	Canada	1.7 × 50 × 4	Hydropower	SYS-6	(Flashboard Upgrade)
1994	Stony Brook	U.S.A.	1.78 × 10.67 × 1	Drinking Water	SYS-1	Spillway control
1994	Forest Park	U.S.A.	1.35 × 19.5 × 1	Drinking Water	Owner supplied	Intake level control
1994	Sonoma County	U.S.A.	3.3 × 36.9 × 1	Groundwater Recharging	Manual	(Inbertson Water filled replace)
1994	Kumpul Kuista / Cirebon	Indonesia	3 × 34.5 × 1	Water Supply	SYS-1-2	
1994	Urepetiro	Mexico	1.5 × 20 × 1	Hydropower	SYS-1	Spillway upgrade
1994	Cisirih / Anyer	Indonesia	2.5 × 12.5 × 1	Water Supply	SYS-1-2	
1994	Santa Fe	U.S.A.	1.831 × 171.541 × 1	Water Supply	SYS-5	Longest single span in the world
1994	Forestville	Canada	1.7 × 28.43 × 1	Hydropower	SYS-6	(Flashboard Upgrade)

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M) QTY	APPLICATION	OPERATION SYSTEM	NOTES
1994	Nusa Dua / Bali	Indonesia	1 × 9.25 × 2	Water Supply	SYS-1-2	Double Anchor
1994	Ohmurahaisui	Taiwan	2.25 × 8 × 1	Irrigation	N / A	
1995	Jejeruk / Magetan	Indonesia	2.3 × 28.65 × 1	Irrigation	SYS-1-2	OECF Loan
1995	Pulo / Ponorong	Indonesia	2.3 × 21.88 × 1	Irrigation	SYS-1-2	OECF Loan
1995	Beringin / Magetam	Indonesia	2.3 × 21.58 × 1	Irrigation	SYS-1-2	OECF Loan
1995	Sungai Tampines (HDB)	Singapore	2.2 × 24 × 1	Beatification	SYS-5+	
1995	Kougo River	Taiwan	1.8 × 12 × 1	Irrigation	N / A	
1995	Anton River	Taiwan	1.7 × 10 × 1	Irrigation	N / A	
1995	Mamquan	U.S.A.	3.2 × 15.3 × 2	Hydropower	SYS-6	Diversion
1995	Holtwood	U.S.A.	1.4 × 91.4 × 1	Hydropower	SYS-7	Emergency Spillway (Flashboard Upgrade)
1995	Essex -19	U.S.A.	1.5 × 21.6 × 1 1.5 × 49.5 × 1 1.5 × 52.5 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1995	Nairn Falls	Canada	0.6 × 39 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1995	Ban Nong Yang	Thailand	2.0 × 70 × 1	Irrigation	SYS-1-2	
1995	Centennial Phase I	U.S.A.	1.5 × 33 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1995	Ciberung / Ciregon	Indonesia	2 × 21.7 × 1	Water Supply	SYS-1-2	Double Anchor
1995	Ford Motor	U.S.A.	0.6 × 83.1 × 1 0.6 × 81.1 × 1	Hydropower	SYS-1-1	(Crest-up)
1995	Island Park	U.S.A.	0.3 × 30 × 2	Hydropower	SYS-5	(Crest-up)
1995	Kang Sanam Nang	Thailand	2.5 × 80 × 1	Irrigation	SYS-1-2	
1995	Wawan / Irianjaya	Indonesia	2 × 6 × 1	Irrigation	SYS-1-2	Double Anchor
1995	West Danville	U.S.A.	0.75 × 7.96 × 1	Hydropower	Owner Supply	(Flashboard Upgrade)
1995	Ranbatan / Indramaya	Indonesia	2 × 27.5 × 2 2 × 15 × 1	Water Supply	SYS-1-2	
1995	San Jacinto	Bolivia	1.5 × 10 × 4	Irrigation	SYS-5	(Crest-up)
1995	Sherbrook	Canada	1.15 × 21.6 × 1	Hydropower	SYS-6	(Flashboard Upgrade)
1995	Manantiales	Colombia	0.75 × 9.9 × 1	Water Supply	SYS-5	
1995	Janeberang/Ujung Pandang	Indonesia	2 × 95 × 2 2 × 9.5 × 2	Irrigation	SYS-1-2	OECF Loan Side Spans: Ceramic Cover
1996	Hunts Point	U.S.A.	1.8 × 3 × 2	Sewage	SYS-6	Expansion Gate
1996	Bayong	Malaysia	2.0 × 30 × 1	Irrigation	SYS-6	
1996	Lumsden	Canada	0.97 × 45.8 × 1	Hydropower	SYS-1-1	(Flashboard Upgrade)
1996	Kamtin(DSD)	H.K.	2.4 × 28 × 1 2.4 × 21 × 1	Tidal Barrier	SYS-5	Double Anchor
1996	Lamchi Muang Ling	Thailand	4 × 73 × 1	Irrigation	SYS-1-1	

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M)	QTY	APPLICATION	OPERATION SYSTEM	NOTES	
1996	Way Koko	Indonesia	2	× 20	× 1	Irrigation	SYS-1-1	OECF Loan
1996	Madium	Indonesia	2.3	× 25	× 1	Irrigation	SYS-1-1	
1996	Centennial Phase-2	U.S.A.	1.95	× 30.5	× 1	Hydropower	SYS-6	(Flashboard Upgrade)
1996	Los Esclavos	Guatemala	2.02	× 14.35	× 1	Irrigation	SYS-1-1	
1996	Castelnuovo Garfagnana	Italy	1.6	× 22	× 1	Hydropower	SYS-1-1	
1996	Anson Phase-1	U.S.A.	4.08	× 12.19	× 1	Hydropower	Owner Supply	Trash Gate
1996	Mapocho	Chile	1.5	× 14.4	× 1	Irrigation	SYS-6	
1996	Coors	U.S.A.	1.5	× 18	× 1	Hydropower	N / A	
1996	Mitis-2	Canada	0.62	× 23	× 1	Hydropower	SYS-6	(Flashboard Upgrade)
1996	Huntington Falls	U.S.A.	0.76	× 55	× 1	Hydropower	SYS-5	(Flashboard Upgrade)
1996	Solo/Sedayu Lawas	Indonesia	3	× 25	× 4			
1996	Kounan	Taiwan	2	× 25	× 1			
1997	Stone Dam	U.S.A.	0.838	× 127.99	× 1	Hydropower	By Customer	(Flashboard Upgrade)
1997	Tana Delta	Kenya	2.25	× 49.5	× 1	Irrigation	SYS-1	OECF Loan
1997	Angat	Philippines	2.5	× 76.9	× 6	Irrigation	SYS-1	ODA by JICA
1997	Ban Tha Muang	Thailand	1.0	× 40.0	× 1	Irrigation	SYS-1	
1997	Klong Wang Sai	Thailand	1.5	× 56.0	× 1	Irrigation	SYS-1	
1997	Rimouski	Canada	1.7	× 40.0	× 1	Hydropower	Owner Supply	(Crest Gate)
1997	Wilmington Water Capture	U.S.A.	1.6	× 37.64	× 1	Drinking Water	Owner Supply	Water Filled
1997	Indianapolis	U.S.A.	3.0	× 2.1	× 1	Sewer Tunnel	SYS-6	(Outfall Control) Expan Gate
1997	Anson Dam Phase2	U.S.A.	1.68	× 60.91	× 1	Hydropower	Owner Supply	(Flashboard Upgrade)
			1.68	× 55.89	× 1			
			1.68	× 43.86	× 1			
1997	Charlo River	Canada	0.82	× 60.9	× 1	Hydropower	SYS-6	(Flashboard Upgrade)
1997	Muck Valley	U.S.A.	0.9	× 75.89	× 1	Hydropower	SYS-6	
1997	West 38 / Muriel	U.S.A.	0.84	× 1.6	× 1	Sewer Tunnel	N / A	(Outfall Control)
1997	Lake & Viking	U.S.A.	1.5	× 1.5	× 1	Sewer Tunnel	N / A	In-Line Storage
1997	Leisnig	Germany	0.8	× 55.5	× 2	Hydropower	N / A	
			0.6	× 42.5	× 1			
1997	Baturiti	Indonesia	1.9	× 31	× 1	Irrigation	SYS-1-2	
1997	Colton	U.S.A.	0.62	× 63.35	× 1	Hydropower	SYS-1	(Flashboard Upgrade)
1997	Inghams	U.S.A.	1.37	× 62.3	× 1	Hydropower	SYS-5	(Flashboard Upgrade)
1997	Manassas	U.S.A.	1.5	× 67.0	× 1	Drinking Water	SYS-6	Crest Up

DELIVERY	PROJECT NAME	COUNTRY ¹⁹	SIZE(M) QTY	APPLICATION	OPERATION SYSTEM	NOTES
1997	St.Brigitte	Canada	1.0 × 32.5 × 2 1.0 × 45.0 × 1	Hydropower	N/A	(Flashboard Upgrade)
1998	Rio Salado	U.S.A	4.88 × 54.86 × 2 4.88 × 61.26 × 2 1.42 × 67.1 × 2 1.42 × 66.1 × 2	Recreation		Partial Ceramic
1998	Manassas	U.S.A	1.5 × 67.0 × 1	Drinking Water	System 6X	Flashboard Upgrade
1998	FM303/EVS	Germany	3.4 × 23.18 × 2	Hydropower		
1998	RSP#3	Canada	1.7 × 46 × 1	Hydropower	Owner Supply	Crest Gate
1998	Porgera	Papua Newguinea	1.5 × 13.8 × 1			
1998	Linden I,Linden áU Tzschellen,Hall	Germany	1.3 × 11.0 × 1 1.3 × 20.7 × 1 1.3 × 5.2 × 1 1.3 × 4.5 × 1	Irrigation		
1998	Kaufbeuren	Germany	2.9 × 25.2M × 1	Hydropower		
1998	Ta Kwu Ling	Hong Kong	1.1 × 6.5 × 1			
1998	Las Virgenes	Mexico	3.0 × 112.30 × 1 3.0 × 148.60 × 1	Irrigation Reservoir Elevation Crest-up	System 6	Curved
1998	Natura Dam	U.S.A	0.68 × 47.2 × 1	Hydropower	SYS-1-1	Flashboard Upgrade
1998	Chute Bell	Canada	1.4 × 59.3 × 1	Hydropower		Flashboard Upgrade
1998	Lake Altoona	U.S.A	1.22 × 40.23 × 1	Drinking Water	System 6	Flashboard Upgrade
1998	Sugar Hollow	U.S.A	1.52 × 67.96 × 1	Drinking Water	System 6	Life Gate Upgrade
1998	Panke,Berlin	Germany	1.45 × 7.4 × 1	Irrigation		
1998	Sept Chutes	Canada	0.864 × 6.096 × 1	Hydropower		Trash Gate
1998	San Dimas	U.S.A	1.98 × 7.62 × 1	Diversion for Recharge	System 6X	Full Ceramic
1998	San Gabriel	U.S.A	1.83 × 73.15 × 1			
1998	San Gabriel	U.S.A	2.18 × 60.96 × 1		System 6X	Full Ceramic
1998	Buyanbei	Taiwan	1.8 × 35.3 × 1			
1998	Taiwan Gou	Taiwan	1.7 × 40 × 1			
1998	Linzai Gou	Taiwan	1.6 × 27.5 × 1			
1999	Little Walla Walla	U.S.A	1.07 × 25.83 × 1	Fush Laoder	System 5X	
1999	Ramspatch	U.S.A	3.2 × 1.6 × 1	Sewage	System 6	Expan Gate
1999	Gronau	Germany	1.45 × 6 × 1 1.45 × 8 × 1	Irrigation		
1999	Centrale Minasutuk	Canada	2.5 × 25 × 1	Hydropower	Owner Supply	Crest gate
1999	SG.Langat	Malaysia	1.6 × 23 × 1			
1999	Sultartangi	Iceland	1.9 × 79.5 × 5	Hydropower		
1999	Centrale Minasutuk	Canada	3.48 × 60 × 1	Hydropower	Owner Supply	Crest Gate

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M) QTY	APPLICATION	OPERATION SYSTEM	NOTES
1999	Exploits	Canada	2.17 × 70.048 × 1	Hydropower	System 5X	Stop Log Upgrade
1999	Trasu & Thaia	Vietnam	23 × 90 × 1 23 × 72 × 1			
1999	Centrake Minasutuk	Canada	3.48 × 50 × 1	Hydropower	Owner Supply	Crest Gate
1999	Even Erauf	Austria	2.1 × 18.7 × 2			
1999	Eurostock no.1	Holland	1.73 × 128 × 1			
1999	Bathurst	Canada	4.752 × 30.487 × 1	Hydropower	System 6X	Crest Gate
1999	Power Creek	Alaska,U.S.A	2.338 × 14.63 × 1	Mini-Hydro	System 6X	
1999	Rio Hondo	U.S.A	1.7 × 4.47 × 1	Diversion for GW Recharge	System 6X	Full Ceramic
1999	Whittier Blvd	U.S.A	2.37 × 60.96 × 1	Ground Recharge	System 6X	Full Ceramic
1999	Beverly Blvd	U.S.A	1.83 × 73.15 × 1 1.676 × 60.96	Ground Recharge	System 6X	Full Ceramic
1999	Malay Falls	Canada	1.448 × 30.48 × 4		SYS-1-1	
1999	San Gabriel	U.S.A	1.83 × 60.96 × 2			
1999	Bata Lake	Turkey	4.5 × 20 × 1 4.5 × 40 × 1			
1999	Woisdorf	Germany	0.72 × 57 × 1			
1999	Shek Wu Hui	Hong Kong	2.7 × 68.461 × 1		SYS-5	
1999	Walnuts Basin SG	U.S.A	0.91 × 7.6 × 1	Diversion for GW Recharge	System 6X	Full Ceramic
1999	LA CANGREJERA	Mexico	1.9 × 29.05 × 1			
1999	Stomy Brook	U.S.A	1.524 × 10.688 × 1			
1999	Heuvelton Replacement	U.S.A	3.3 × 8.354 × 1			
1999	Sungai Langat	Malaysia	1.6 × 23 × 1	Reservoir for water	System1-1	
1999	Tra La	Vietnam	2.3 × 90 × 1	Irrigation	System1-2	
1999	Tra Su	Vietnam	2.3 × 72 × 1	Irrigation	System1-2	
1999	Shek Wu Hui	Hong Kong	2.7 × 68.4 × 1	Tidal Barrier	System 5	Extra cover
1999	Tin Shui Wai	Hong Kong	2.2 × 52.5 × 1	Tidal Barrier	System 5	
2000	Yuen Long	Hong Kong	3 × 59 × 1	Tidal Barrier	System 4	Extra cover
2000	Orihuela	Spain	1.3 × 10 × 1			
2000	Beniel	Spain	2 × 8 × 1			
2000	Winooski	U.S.A	2.592 × 6.096 × 1			
2000	Ramspol	Holland	8.2 × 60 × 3			
2000	Susquehanna	U.S.A	2.438 × 88.965 × 2			
2000	Dinkel	Holland	1 × 17.5 × 1			

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M) QTY	APPLICATION	OPERATION SYSTEM	NOTES
2000	Dashville	U.S.A	1.07 × 97.993 × 1 1.677 × 6.249 × 1			
2000	Sneads Branch	U.S.A	3 × 3.239 × 1			
2000	JFK Lake Outlet	U.S.A	0.787 × 2.248 × 1			
2000	St.Aubin	U.S.A	1.067 × 7.315 × 1			
2000	Reconquista	Argentina	1.5 × 40 × 1			
2000	Winnipeg Aqueduct	Canada	1.219 × 3.242 × 1			
2000	Los Esclavos	Guatemala	2.02 × 14.35 × 1			
2000	Lada Langkawi	Malaysia	1.5 × 7 × 1	Tida Barrier	System 4	
2000	Upper Indus River (Shengshui)	Hong Kong	2.19 × 42 × 1	Flood Control	System 5	Ceramic, All
2000	Angat	Philippine	2.5 × 46.9 × 1			
2000	Aglipo II	Dominica	4.2 × 36 × 1 4.2 × 20 × 1			
2001	Ebro River	Spain	1.6 × 186.96 × 1			
2001	Kam Tin 2	Hong Kong	2.25 × 5 × 1		System 5	Extra cover
2001	Eurostock	Germany	1.0 × 128 × 1			
2001	Farnau	Germany	1.8 × 41.9 × 1			
2001	Salgadas	Portugal	3.2 × 7 × 1			
2001	Holyoke	U.S.A	1.067 × 15.545 × 1 1.067 × 84.734 × 3 1.067 × 11.278 × 1			
2001	Curtis	U.S.A	1.676 × 20.345 × 1 1.219 × 74.423 × 1 1.219 × 72.39 × 1 1.219 × 41.3 × 1			
2001	Deerfield	U.S.A	3.15 × 34.138 × 1			
2001	Big Eddy	Canada	3.149 × 21.54 × 2			
2001	Sneads Branch	U.S.A	3.0 × 2.239 × 1			
2001	Forestville RSP #2	Canada	1.7 × 27.625 × 1	Hydropower	Owner Supply	Crest Gate
2001	Holtwood	U.S.A	1.542 × 117.96 × 2			
2001	Rambatan	Indonesia	2.0 × 27.5 × 1	Irrigation	System1-2	Extra cover
2001	Cogoti	Chile	2.8 × 38.15 × 1 2.8 × 19.92 × 2 2.8 × 54.75 × 1			
2001	Yenso	Vietnam	1.2 × 35 × 1	Spillway	System1-1	Ceramic cover
2001	Yenso	Vietnam	1.2 × 50 × 2			
2002	Little Walla Walla	U.S.A	1.07 × 25.83 × 1			
2002	Sturgeon Pool	U.S.A	1.6 × 8.534 × 1 1.079 × 97.536 × 1			

DELIVERY	PROJECT NAME	COUNTRY	SIZE(M)	QTY	APPLICATION	OPERATION SYSTEM	NOTES
2002	Talbert Channel	U.S.A	1.158	30.48	× 1		
2002	Greenville Banning	U.S.A	1.524	18.288	× 1		
2002	Indianapolis fall creek Parkway	U.S.A	3.201	9.773	× 1		
			2.287	7.001	× 1		
			1.189	3.824	× 1		
2002	Sylvan Dam	U.S.A	1.3585	49.454	× 1		
2002	Los Esclavos III	Guatemala	2.02	14.35	× 1		
2002	North Oconee River Sill	U.S.A	1.829	9.144	× 1		
2002	Garden City Lowden 2	U.S.A	1.067	21.336	× 1		
2002	St.George	Canada	3.15	50	× 2		
2002	Winooski	U.S.A	2.59	40.08	× 1		
2002	Gulf Island	U.S.A	2.286	55.778	× 2		
2002	Godfrey Dam	U.S.A	1.321	19.282	× 1		
2002	Besos River	Spain	1.00	44.42	× 1		
			1.00	45.97	× 1		
			1.00	47.52	× 1		
			1.00	45.97	× 1		
			1.00	50.62	× 1		
			1.00	52.17	× 1		
2002	Besos River	Spain	1.00	45.97	× 1		
2002	Morris Forman	U.S.A	1.924	4.724	× 1		
2002	Wiesentalpolder	Germany	0.8	25	× 1		
2002	Carena	Chile	2.0	29.789	× 1		
			3.0	29.730	× 1		
2002	El Canada	Guatemala	3.4	22.5	× 1		
2003	Forbes Spreading Basin	U.S.A			× 1		
2003	Washington #24	U.S.A	2.210	2.74	× 3		
	Washington #14	U.S.A	2.896	3.66	× 2		
	Washington #16	U.S.A	2.896	3.66	× 2		
	Washington #15	U.S.A	2.0	5.08	× 1		
	Washington #52	U.S.A	2.3	3.05	× 1		
2003	Triad #084	U.S.A			× 1		
	Triad #118	U.S.A			× 1		
	Triad #080	U.S.A			× 1		
2003	Detroit, ISD001	U.S.A	4.27	19.5	× 1		
	Detroit, ISD003	U.S.A	3.27	11.46	× 1		
	Detroit, ISD004	U.S.A	3.98	16.99	× 1		
	Detroit, ISD013	U.S.A	3.13	11.46	× 1		
	Detroit, ISD012	U.S.A	3.35	10.73	× 1		
	Detroit, ISD005	U.S.A	4.19	16.93	× 1		
2003	Thorisvatn	Iceland	2.8	45.75	× 3		
2003	Tanchau	Vietnam	3.1	43	× 1		
2003	Chino Basin	U.S.A	1.22	6.1	× 1		
		U.S.A	1.00	7.56	× 1		
		U.S.A	1.37	13.38	× 1		
		U.S.A	1.52	8.99	× 1		
2003	Miryang River	Korea	2.9	11.3	× 1		