



2005 – 2006

CAPITAL IMPROVEMENT PLAN

Adopted
November 1, 2004

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SECTION I - INTRODUCTION

The North Harris County Regional Water Authority (Authority), which was created by the Texas Legislature, began operation in 2000. Its enabling legislation directed the Authority to perform a variety of duties, all of which center around fulfilling its role as a wholesale water supplier. Providing an alternate water supply to reduce the dependence on groundwater, as directed by the Harris-Galveston Coastal Subsidence District (HGCSD), is a major component of successfully fulfilling that role.

The Authority's approved Groundwater Reduction Plan (GRP) generally defines how it will comply with the HGCSD groundwater reduction requirements through the year 2030. Furthermore, those requirements mandate that by 2005 construction shall begin on the infrastructure required to meet the 2010 conversion target of 30 percent reduction in groundwater use. The Authority has in fact already initiated that construction.

While the Authority is committed to the successful and timely conversion to surface water, it has a more immediate concern. Several of its member districts will need additional water prior to the 2010 conversion to surface water, and the Authority has committed to implement a program called the Groundwater Transfer Program (GTP) to address that need. Simply put, it involves the use of groundwater from districts with excess production capacity by districts that need additional water. Components of the 2010 Distribution System (2010 System) will be used to transmit the water. The implementation of the GTP will allow the resolution of the interim water supply problem in the most cost-effective manner.

The Authority adopted its first Capital Improvement Plan in October 2003. The 2004-2005 Capital Improvement Plan (CIP) generally defined a program necessary to implement the GTP and move forward with the definition of the alignment and purchase of easements required for the remainder of the 2010 Water Distribution and Transmission System. During the first year of its first CIP, the primary focus has been to move deliberately forward in the definition, design, and construction of the facilities necessary to allow implementation of the GTP. The 2005-2006 Capital Improvement Plan is in effect an update and continuation of the 2004-2005 CIP plus it identifies and defines additional issues which the Authority will address during the next two years.

SECTION II - THE PLAN

Overview

The 2005-2006 Capital Improvement Plan (the “Plan”) will continue the systematic planning and development process begun by the Authority’s adoption and implementation of its 2004-2005 CIP. Effectively, the Plan updates the 2004-2005 CIP in terms of projects, definition of projects necessary to effectively implement the identified program areas, progress to date, and the inevitable adjustments in costs. Additionally, the Plan identifies and programs new items for implementation which will be required over the 2-year period in order for the Authority to continue to implement its mission during that period.

The major 2004-2005 CIP areas continued in the Plan are:

- GTP projects and related system improvements
- Definition of alignment and purchase of required easements for the remainder of the 2010 System
- Definition of alignment and purchase of required easements for the 2010 Transmission System
- Central control system
- Water reuse

The major new items added are:

- Participation in the City of Houston Greens Road water line which will serve as a portion of the Authority’s 2010 Transmission System
- Identification and purchase of sites for the Authority’s proposed 2020 regional pump stations and water plants
- Identification of and securing necessary easements for the portion of the 2020 Transmission System identified in the GRP which generally extends from just east of US 59 to just east of SH 249 along BW 8

Details on the specific projects are presented in *Appendix B*.

Considerations

CIPs are typically updates, which are based on an array of prior program and project experience. As noted above, this is only the second Authority CIP. As such, the following points are offered so that the implementation of this CIP may be kept in perspective:

- All projects have not been totally defined at this point, and as such, cost estimates are based on what is known and available at this time.
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- Real estate and construction costs can be and are influenced by variables over which the Authority has no control.
- It is not uncommon – in fact, it is common to experience unexpected costs in the implementation of a CIP. Provision of a contingency is the most practical way to attempt to address this issue.

Financial

While the 2004-2005 CIP used the best cost estimation available at the time, it did not have the benefit of actual prior Authority program or the project experience on which to build. Additionally, the costing was based on the general project definition presented in the GRP. As the actual design of the projects proceeded and the boundaries within which the Authority would need to develop its projects became clearer, the definition of the projects was sharpened, and as a result, the ability to estimate what the projects might cost improved. The estimated costs included in the Plan have been updated and/or based, where practical, on experience gained thus far on actual Authority projects.

As seen in the following table, the estimated cost of the Plan is approximately \$178 million. Slightly less than half of the Plan will be funded by proceeds from the sale of the Authority's Series 2003 Senior Lien Revenue Bonds. The remaining \$91.092 million is shown to be funded through either Bond Anticipation Notes (BANS) or a future bond sale.

Through September 2004, approximately half of the Authority's Series 2003 Senior Lien Revenue Bonds proceeds earmarked for the implementation of the CIP have been authorized (encumbered). The remainder of those funds is scheduled to be authorized by the end of 2005.

SUMMARY OF 2005-2006 CAPITAL IMPROVEMENT PROGRAM

Category	Authorizations ¹ (Thousands)		Fiscal Year Planned Authorizations ¹ (Thousands)		Project Total
	1/1/04-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	\$ 5,465	\$	\$ 24,368	\$	\$ 29,833
Design	10,007	1,994	11,346	1,835	25,182
Construction	28,785	1,318	53,585	94	83,782
Equipment					0
Other		5,055	34,190		39,245
Total Authorizations	\$ 44,257	\$ 8,367	\$ 123,489	\$ 1,929	\$ 178,042
Source of Funds					
Series 2003 Revenue Bonds	\$ 44,257	\$ 2,841	\$ 39,852		\$ 86,950
BANS/Future Bonds		5,526 ²	83,637	1,929	91,092
					0
Total Funds	\$ 44,257	\$ 8,367	123,489	1,929	\$ 178,042

- Notes: 1. Authorizations do not typically represent actual expenditures.
2. Funding shown in 2004 as BANS/Future Bonds will initially be authorized from operating funds or Series 2003 Revenue Bonds and will be reimbursed by proceeds from the BANS/Future Bonds proceeds.

APPENDIX A
GLOSSARY OF TERMS

GLOSSARY OF TERMS

Acquisition	Includes the cost to purchase land and easements and the acquisition services (i.e. ROW Services, appraisals, legal, etc.) required to accomplish the purchase
Authorization	Amount designated for or authorized for the performance of work, service, equipment or participation agreements. The values typically do not represent actual expenditure of funds.
Design	Includes the cost for the planning and design services and design management
Construction	Includes the cost of the construction contract, contingencies, construction administration, construction observation and materials testing
Equipment	Includes the cost of any equipment that may be purchased separately from a construction contract
FWSD	Fresh Water Supply District
MUD	Municipal Utility District
N/A	Not Applicable
Other	A general category that may include participation commitments to other parties, and acquisition, design, construction, equipment or any other relevant costs
PUD	Public Utility District
UD	Utility District
VAR	Various districts or key map locations as applicable
WCID	Water Control Improvement District

APPENDIX B
PROJECT DETAIL FORMS

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: BMMEL – NORTH HOUSTON DISTRIBUTION LINE	District: 3 and 4	C.I.P. Number: 1A
		Key Map: 331W, 331X, 371A, 371E, 371J
<p>Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Bammel UD, Fountainhead MUD, Harris County MUD 16, Harris County MUD 202, Northwest Harris County MUD 21, Northwest Harris County MUD 22, and Northwest Harris County MUD 23.</p>		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	1,091				1,091
Design	1,143				1,143
Construction	8,761	1,318			10,079
Equipment	0				0
Other					0
Total Authorizations	10,995	1,318	0	0	12,313
Source of Funds					
Series 2003 Revenue Bonds	10,995	1,318			12,313
BANS/Future Bonds					0
					0
Total Funds	10,995	1,318	0	0	12,313

Project: CHAMPION FOREST DISTRIBUTION LINE	District: 2 and 3	C.I.P. Number: 1B
		Key Map: 330Z, 371A, 371E
<p>Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Fountainhead MUD, Harris County MUD 48, Harris County WCID 109, Harris County WCID 116, and Heatherloch MUD.</p>		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	479				479
Design	597				597
Construction	4,049				4,049
Equipment					0
Other					0
Total Authorizations	5,125	0	0	0	5,125
Source of Funds					
Series 2003 Revenue Bonds	5,125				5,125
BANS/Future Bonds					0
					0
Total Funds	5,125	0	0	0	5,125

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: BAMEL – NORTH HOUSTON SUPPLY LINE	District: 3	C.I.P. Number: 1C
		Key Map: 371J, 371N
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Northwest Harris County MUD 24.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	847				847
Design	744				744
Construction	1,236		1,226		2,462
Equipment					0
Other					0
Total Authorizations	2,827	0	1,226	0	4,053
Source of Funds					
Series 2003 Revenue Bonds	2,827				2,827
BANS/Future Bonds			1,226		1,226
					0
Total Funds	2,827	0	1,226	0	4,053

Project: T. C. JESTER REGIONAL PUMP STATION	District: N/A	C.I.P. Number: 2
		Key Map: 331Y
Description: Project provides for the siting study and site acquisition for this regional pump station.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			1,543		1,543
Design		72			72
Construction					0
Equipment					0
Other			331		331
Total Authorizations	0	72	1,874	0	1,946
Source of Funds					
Series 2003 Revenue Bonds		72	1,310		1,382
BANS/Future Bonds			564		564
					0
Total Funds	0	72	1,874	0	1,946

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: SUPPLEMENTAL WELLS	District: VAR	C.I.P. Number: 3
		Key Map: 329V
Description: Project provides for the acquisition of well sites and design and construction of wells and appurtenances. The wells will be constructed as needed to augment supplies of water from Seller districts during the Groundwater Transfer Program with the intent that they will in time become part of the regional well inventory of the Authority when the conversion to surface water begins.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			280		280
Design	5	241	306		552
Construction			3,581		3,581
Equipment					0
Other					0
Total Authorizations	5	241	4,167	0	4,413
Source of Funds					
Series 2003 Revenue Bonds	5	241	1,977		2,223
BANS/Future Bonds			2,190		2,190
					0
Total Funds	5	241	4,167	0	4,413

Project: CUTTEN DISTRIBUTION LINE PHASE 1	District: 2	C.I.P. Number: 4
		Key Map: 329V, 329Z, 330W, 370A, 370E
Description: This project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program, and a line from a City of Houston water plant in the Willowbrook area. The project will eventually serve Cy-Champ PUD, Cypress Forest PUD, Harris County FWSD 52, Harris County MUD 191, and Prestonwood Forest UD.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	557		126		683
Design	780	279			1,059
Construction	6,371		1,200		7,571
Equipment					0
Other					0
Total Authorizations	7,708	279	1,326	0	9,313
Source of Funds					
Series 2003 Revenue Bonds	7,708				7,708
BANS/Future Bonds		279	1,326		1,605
					0
Total Funds	7,708	279	1,326	0	9,313

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: LOUETTA REGIONAL WATER PLANT	District: 2	C.I.P. Number: 5
		Key Map: 329V
Description: Project provides for the site acquisition, design and construction of the initial phase of the regional water plant facility.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			947		947
Design	53	382	364		799
Construction			7,517		7,517
Equipment					0
Other					0
Total Authorizations	53	382	8,828	0	9,263
Source of Funds					
Series 2003 Revenue Bonds	53	382	4,628		5,063
BANS/Future Bonds			4,200		4,200
					0
Total Funds	53	382	8,828	0	9,263

Project: LOUETTA DISTRIBUTION LINE, PHASE 1	District: 1 and 2	C.I.P. Number: 6
		Key Map: 329T, 329U, 329V
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Charterwood MUD, Harris County MUD 286 and Malcomson Road UD.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	595				595
Design	805				805
Construction	8,368				8,368
Equipment					0
Other					0
Total Authorizations	9,768	0	0	0	9,768
Source of Funds					
Series 2003 Revenue Bonds	9,768				9,768
BANS/Future Bonds					0
					0
Total Funds	9,768	0	0	0	9,768

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: OLD LOUETTA DISTRIBUTION LINE	District: 2	C.I.P. Number: 6A
		Key Map: 329R, 329V
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Harris County WCID 119 and Louetta North PUD.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	311		98		409
Design	505				505
Construction			2,380		2,380
Equipment					0
Other					0
Total Authorizations	816	0	2,478	0	3,294
Source of Funds					
Series 2003 Revenue Bonds	816		2,380		3,196
BANS/Future Bonds			98		98
					0
Total Funds	816	0	2,478	0	3,294

Project: LOUETTA DISTRIBUTION LINE, PHASE 2	District: 1	C.I.P. Number: 6B
		Key Map: 328T, 328U, 328V, 329S, 329T
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Faulkey Gully MUD, Grant Road PUD, Harris County MUD 18, Malcomson Road UD and Northwest Harris County MUD 5.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			838		838
Design	804				804
Construction			5,378		5,378
Equipment					0
Other					0
Total Authorizations	804	0	6,216	0	7,020
Source of Funds					
Series 2003 Revenue Bonds	804		5,955		6,759
BANS/Future Bonds			261		261
					0
Total Funds	804	0	6,216	0	7,020

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: ELLA DISTRIBUTION LINE	District: 4	C.I.P. Number: 7A
		Key Map: 291W, 331G, 331H, 331M
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Harris County MUD 86, Harris County WCID 91, Harris County WCID 132 and Westador MUD.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	525		303		828
Design	860	142			1,002
Construction			4,371		4,371
Equipment					0
Other					0
Total Authorizations	1,385	142	4,674	0	6,201
Source of Funds					
Series 2003 Revenue Bonds	1,385		3,810		5,195
BANS/Future Bonds		142	864		1,006
					0
Total Funds	1,385	142	4,674	0	6,201

Project: ELLA/KUYKENDAHL DISTRIBUTION LINE	District: 4 and 5	C.I.P. Number: 7B
		Key Map: 331A, 331B, 331C, 331F, 331G
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Bridgestone MUD, Cypresswood UD, Harris County MUD 275, Klein PUD and Northwest Harris County MUD 36.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	517		162		679
Design	982				982
Construction			9,147		9,147
Equipment					0
Other					0
Total Authorizations	1,499	0	9,309	0	10,808
Source of Funds					
Series 2003 Revenue Bonds	1,499		9,147		10,646
BANS/Future Bonds			162		162
					0
Total Funds	1,499	0	9,309	0	10,808

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: LOUETTA DISTRIBUTION LINE, PHASE 3	District: 4	C.I.P. Number: 7C
		Key Map: 330H, 330K, 330L, 330M, 330P, 331E
Description: Project provides for the design, real estate acquisition and construction of a distribution line, which is a component of the 2010 Water Distribution and Transmission System and the Groundwater Transfer Program. The project will eventually serve Bilma PUD, Bridgestone MUD, Harris County MUD 24, Kleinwood MUD, Louetta Road UD, Spring Creek Forest PUD and Terranova West MUD.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	531		304		835
Design	702		160		862
Construction			7,185		7,185
Equipment					0
Other					0
Total Authorizations	1,233	0	7,649	0	8,882
Source of Funds					
Series 2003 Revenue Bonds	1,233		7,345		8,578
BANS/Future Bonds			304		304
					0
Total Funds	1,233	0	7,649	0	8,882

Project: T. C. JESTER DISTRIBUTION LINE	District: 4	C.I.P. Number: 10
		Key Map: 331E, 331J, 331N, 331P, 331T
Description: Project provides for the engineering design required to evaluate project alignment alternatives and determine the final project alignment and the support services to acquire the necessary real estate for a distribution line, which is a component of the 2010 Water Distribution and Transmission System. The project will eventually directly serve Cypress-Klein UD, Harris County MUD 44, Harris County MUD 316, and Northwest Harris County MUD 20.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			731		731
Design			670		670
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,401	0	1,401
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,401		1,401
					0
Total Funds	0	0	1,401	0	1,401

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: T.C. JESTER/ELLA DISTRIBUTION LINE	District: 4	C.I.P. Number: 11
		Key Map: 331L, 331M, 331O, 331T
Description: This project provides for the engineering design required to evaluate project alignment alternatives and determine the final project alignment and the acquisition services to acquire the necessary real estate for a distribution line, which is a component of the 2010 Water Distribution and Transmission System. The project will eventually directly serve Bammel Forest Utility Company, Harris County MUD 211, Harris County MUD 233 and Ponderosa Forest UD.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			763		763
Design			532		532
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,295	0	1,295
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,295		1,295
					0
Total Funds	0	0	1,295	0	1,295

Project: CYPRESSWOOD DISTRIBUTION LINE	District: 4 and 5	C.I.P. Number: 14
		Key Map: 331D, 331G, 331H, 332A, 332J
Description: This project provides for the engineering design required to evaluate project alignment alternatives and determine the final project alignment and the acquisition services to acquire the necessary real estate for a distribution line, which is a component of the 2010 Water Distribution and Transmission System. The project will eventually directly serve Candlelight Service Company, CNP UD, Harris County MUD 104 and Harris County WCID 110.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			663		663
Design			506		506
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,169	0	1,169
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,169		1,169
					0
Total Funds	0	0	1,169	0	1,169

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: BOURGEOIS DISTRIBUTION LINE	District: 2, 3, and 4	C.I.P. Number: 15
		Key Map: 330P, 330S, 370M, 370N, 370Q, 371J
Description: Project provides for the engineering design required to evaluate project alignment alternatives and determine the final project alignment and the acquisition services to acquire the necessary real estate for a distribution line, which is a component of the 2010 Water Distribution and Transmission System. The project will eventually directly serve AquaSource, Cypress Forest PUD, Harris County WCID 114 and Northwest Harris County MUD 6.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			894		894
Design		388	333		721
Construction					0
Equipment					0
Other					0
Total Authorizations	0	388	1,227	0	1,615
Source of Funds					
Series 2003 Revenue Bonds		388			388
BANS/Future Bonds			1,227		1,227
					0
Total Funds	0	388	1,227	0	1,615

Project: CUTTEN DISTRIBUTION LINE PHASE 2	District: 2 and 3	C.I.P. Number: 16
		Key Map: 370F, 370K, 370L, 370Q
Description: This project provides for the engineering design required to evaluate project alignment alternatives and determine the final project alignment and the acquisition services to acquire the necessary real estate for a distribution line, which is a component of the 2010 Water Distribution and Transmission System.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			592		592
Design			584		584
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,176	0	1,176
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,176		1,176
					0
Total Funds	0	0	1,176	0	1,176

**2005 – 2006
CAPITAL IMPROVEMENT PLAN**

**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: 2010 TRANSMISSION LINE	District: N/A	C.I.P. Number: 17
		Key Map: 370U, 370V, 371S
<p>Description: Project provides for the engineering design required to evaluate project alignment alternatives and determine the final project alignment and the support services to acquire the necessary real estate for the transmission line which will deliver water from the City of Houston take point (approximately Greens Road and Greenpoint Drive to the proposed T.C. Jester Pump Station. This transmission line is a component of the 2010 Water Distribution and Transmission System. It is the sole surface water supply line to the Authority to meet the 2010 to 2019 surface water needs of the Authority.</p>		

	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition	12		2,089		2,101
Design	221		2,326		2,547
Construction					0
Equipment					0
Other					0
Total Authorizations	233	0	4,415	0	4,648
Source of Funds					
Series 2003 Revenue Bonds	233				233
BANS/Future Bonds			4,415		4,415
					0
Total Funds	233	0	4,415	0	4,648

Project: GREENS ROAD WATER LINE	District: N/A	C.I.P. Number: 18
		Key Map: VAR
<p>Description: Project provides for the Authority's portion of the cost of the proposed City of Houston Greens Road water line. The City of Houston will be constructing a water line from the 84-inch line delivering water from the Northeast Water Treatment Plant to the Greenspoint area. The City will upsize the line to provide for water the Authority will be purchasing from the City of Houston as it begins its transition to surface water.</p>		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition					0
Design					0
Construction					0
Equipment					0
Other		5,000	25,000		30,000
Total Authorizations	0	5,000	25,000	0	30,000
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds		5,000	25,000		30,000
					0
Total Funds	0	5,000	25,000	0	30,000

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**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: WATER PLANTS, WELLS, AND APPURTENANCES	District: VAR	C.I.P. Number: 19
		Key Map: VAR
Description: Project provides for the purchase of or participation in water plants, wells, and appurtenances. The project includes all related activities associated with the purchase or participation process, the actual cost of the purchase or participation and the provision of any capital improvements.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition					0
Design			60		60
Construction			337		337
Equipment					0
Other		55	2,250		2,305
Total Authorizations	0	55	2,647	0	2,702
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds		55	2,647		2,702
					0
Total Funds	0	55	2,647	0	2,702

Project: SPRING CYPRESS REGIONAL WATER PLANT	District: 4	C.I.P. Number: 20
		Key Map: 330D
Description: Project provides for the siting study and site acquisition for this regional water plant		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			938		938
Design			85		85
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,023	0	1,023
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,023		1,023
					0
Total Funds	0	0	1,023	0	1,023

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**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: TELGE REGIONAL WATER PLANT		District: 1	C.I.P. Number: 21		
			Key Map: 368E		
Description: Project provides for the siting study and site acquisition for this regional water plant					
Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			938		938
Design			85		85
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,023	0	1,023
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,023		1,023
					0
Total Funds	0	0	1,023	0	1,023

Project: BOUDREAUX REGIONAL WATER PLANT		District: 3	C.I.P. Number: 22		
			Key Map: 289Y		
Description: Project provides for the siting study and site acquisition for this regional water plant					
Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			938		938
Design			85		85
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,023	0	1,023
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,023		1,023
					0
Total Funds	0	0	1,023	0	1,023

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REGIONAL WATER AUTHORITY**

Project: HARDY REGIONAL PUMP STATION	District: 5	C.I.P. Number: 23
		Key Map: 333N
Description: Project provides for the siting study and site acquisition for this regional pump station		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			938		938
Design			85		85
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,023	0	1,023
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,023		1,023
					0
Total Funds	0	0	1,023	0	1,023

Project: SH 249 REGIONAL PUMP STATION	District: 3	C.I.P. Number: 24
		Key Map: 370U
Description: Project provides for the siting study and site acquisition for this regional pump station		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			938		938
Design			85		85
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	1,023	0	1,023
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			1,023		1,023
					0
Total Funds	0	0	1,023	0	1,023

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**NORTH HARRIS COUNTY
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Project: 2020 TRANSMISSION LINE	District: 3	C.I.P. Number: 25
		Key Map: 370 U-V; 371 - 374 S-V; 375 S-T
Description: Project provides for the engineering and acquisition activities required to facilitate the purchase of the easement in the CenterPoint corridor along Beltway 8 from the City of Houston take point just east of Hwy. 59 to just east of State Hwy. 249.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			8,745		8,745
Design			1,760		1,760
Construction					0
Equipment					0
Other					0
Total Authorizations	0	0	10,505	0	10,505
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			10,505		10,505
					0
Total Funds	0	0	10,505	0	10,505

Project: SYSTEM IMPROVEMENTS	District: VAR	C.I.P. Number: 100
		Key Map: VAR
Description: Project provides design, real estate acquisition and construction for improvements to existing district systems and supplemental additions to facilitate the efficient operation of the Groundwater Transfer Program.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition			600		600
Design	98		1,223		1,321
Construction			8,122	94	8,216
Equipment					0
Other					0
Total Authorizations	98	0	9,945	94	10,137
Source of Funds					
Series 2003 Revenue Bonds	98				98
BANS/Future Bonds			9,945	94	10,039
					0
Total Funds	98	0	9,945	94	10,137

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**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: CENTRAL CONTROL SYSTEM	District: VAR	C.I.P. Number: 101
		Key Map: VAR
Description: Project provides the design and construction required to install the initial phase of the Supervisory Control and Data Acquisition (SCADA) System to facilitate the operation of the Groundwater Transfer Program		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition					0
Design		340			340
Construction			2,300		2,300
Equipment					0
Other					0
Total Authorizations	0	340	2,300	0	2,640
Source of Funds					
Series 2003 Revenue Bonds		340	2,300		2,640
BANS/Future Bonds					0
					0
Total Funds	0	340	2,300	0	2,640

Project: WATER REUSE	District: VAR	C.I.P. Number: 102
		Key Map: VAR
Description: Project provides engineering and other services to support the Authority's Water Reuse efforts and an allowance to participate in a pilot water reuse project.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition					0
Design	40	50	50		140
Construction			841		841
Equipment					0
Other					0
Total Authorizations	40	50	891	0	981
Source of Funds					
Series 2003 Revenue Bonds	40				40
BANS/Future Bonds		50	891		941
					0
Total Funds	40	50	891	0	981

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**NORTH HARRIS COUNTY
REGIONAL WATER AUTHORITY**

Project: SUPPORT AND SPECIALTY	District: VAR	C.I.P. Number: 200
		Key Map: VAR
Description: Provides various support and specialty professional services such as program management, control surveying, well location assessments, corrosion protection analysis, surge analysis, and pricing policy/model updates.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition					0
Design	1,668	100	2,047	1,835	5,650
Construction					0
Equipment					0
Other					0
Total Authorizations	1,668	100	2,047	1,835	5,650
Source of Funds					
Series 2003 Revenue Bonds	1,668	100	1,000		2,768
BANS/Future Bonds			1,047	1,835	2,882
					0
Total Funds	1,668	100	2,047	1,835	5,650

Project: CONTINGENCY	District: VAR	C.I.P. Number: N/A
		Key Map: VAR
Description: Provides funding for costs in excess of original program estimates and unexpected necessary expenses such as those to facilitate escalation of program components, to facilitate system operation and to enable payment of exceptional real estate judgments.		

Category	Authorizations (Thousands)		Fiscal Year Planned Authorizations (Thousands)		Project Total
	1/1/03-9/30/04	10/1/04-12/31/04	2005	2006	
Acquisition					0
Design					0
Construction					0
Equipment					0
Other			6,609		6,609
Total Authorizations	0	0	6,609	0	6,609
Source of Funds					
Series 2003 Revenue Bonds					0
BANS/Future Bonds			6,609		6,609
					0
Total Funds	0	0	6,609	0	6,609