ILLINOIS STATE WATER PLAN

ESTIMATED COSTS OF IMPLEMENTATION

FISCAL YEARS 1984 THROUGH 1986

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INTRODUCTION

The need for an Illinois State Water Plan has been increasingly evident for several years. The most recent plan was published in 1967 and has become obsolete in a number of respects. Events on a state, national, and international scale have resulted in changing and competing demands upon the available water resources. On an institutional level a number of changes in water-related agencies had taken place, and at times the lack of adequate program integration was apparent.

The decision to proceed with a State Water Plan was triggered by action of the Executive Branch of the U.S. Government. Funding under Title III of P.L. 89-80 administered by the Water Resources Council was substantially increased. This provided a grant to Illinois and other states to increase planning and management of water and related land resources at the state level. Early in 1980 the Governor appointed a special Task Force to prepare a new State Water Plan. Membership on the State Water Plan Task Force consists of policy level individuals from the following fourteen agencies:

Department of Agriculture
Bureau of the Budget
Capital Development Board
Department of Commerce and Community Affairs
Department of Conservation
Emergency Services and Disaster Agency
Department of Energy and Natural Resources/State Water Survey
Environmental Protection Agency
Department of Mines and Minerals
Office of the Governor
Department of Public Health
Department of Transportation/Division of Water Resources
Water Resources Center, University of Illinois
Water Resources Commission, General Assembly

The Governor designated the Director of the Division of Water Resources in the Department of Transportation as Task Force Chairman. The chairman, in turn, retained an Executive Director and provided professional and supporting staff. The Task Force met first on May 6, 1980, and has met monthly since that time. Its initial work on the Plan is scheduled to conclude in early 1984.

The State Water Plan Task Force defined its mission as the development of an improved water management system that would be socially acceptable and operated within resource constraints. Consequently, the Task Force decided that the next generation State Water Plan would not be another one time effort, but would provide a contemporary framework for decision-making. The work of the Task Force has not directly focused on institutions or agencies in the context of reviewing organizational efficiency or reorganization options. It has however, by working with two state level and five regional advisory committees, concentrated on those topics which represented the pressing management issues facing state water resource agencies and the public at large in Illinois.

In order to characterize these management issues, the State Water Plan Task Force adopted a three tiered approach to issue definition: critical issues, cross-cutting topics and operating issues. Critical issues were identified as those statewide problems that were not being sufficiently addressed by current programs, or those which were emerging and could be anticipated to lead to future problems or conflicts. Cross-cutting topics were viewed as broad problems requiring actions

which relate to and involve other issues. Operating issues concerned those on-going, multi-agency programs which could be made more efficient through coordination and joint action. Ten critical issues, three cross-cutting topics and seven operating issues were identified and worked on during the State Water Plan process. The individual issues themselves were assigned to a lead agency for development. The following table lists, in order of importance for each category, all twenty issues and the responsible lead agency.

STATE WATER PLAN ISSUES AND RESPONSIBLE LEAD AGENCY

Critical Issues	Agencies
Erosion and Sediment Control	Department of Agriculture
Protection of Underground Water	Environmental Protection Agency
Water Conservation	Department of Commerce and Community Affairs
Flood Damage Mitigation	Division of Water Resources
Competition for Water	State Water Survey
Aquatic and Riparian Habitat	Department of Conservation
Water-Based Recreation	Department of Conservation
Atmospheric Changes and Management	State Water Survey
Drought and Emergency Loss of Water Supply	Division of Water Resources
Water Use Law	Division of Water Resources
Cross-Cutting Issues	
Integrated Water Management	Environmental Protection Agency
Conflict Resolution	Executive Director, State Water Plan
Public Participation	Water Resources Commission
Operating Issues	
Stream and Lake Use Management	Environmental Protection Agency
Stream Data Measurements	State Water Survey
Stream Indexing	Department of Conservation
Natural Resources Information System	State Water Survey
Water Resources Permit Coordination	Environmental Protection Agency
Water Resources Research and Education	State Water Survey/Water Resources Center
Reservoir and Lake Operations	Division of Water Resources

METHODOLOGY FOR COST ESTIMATES

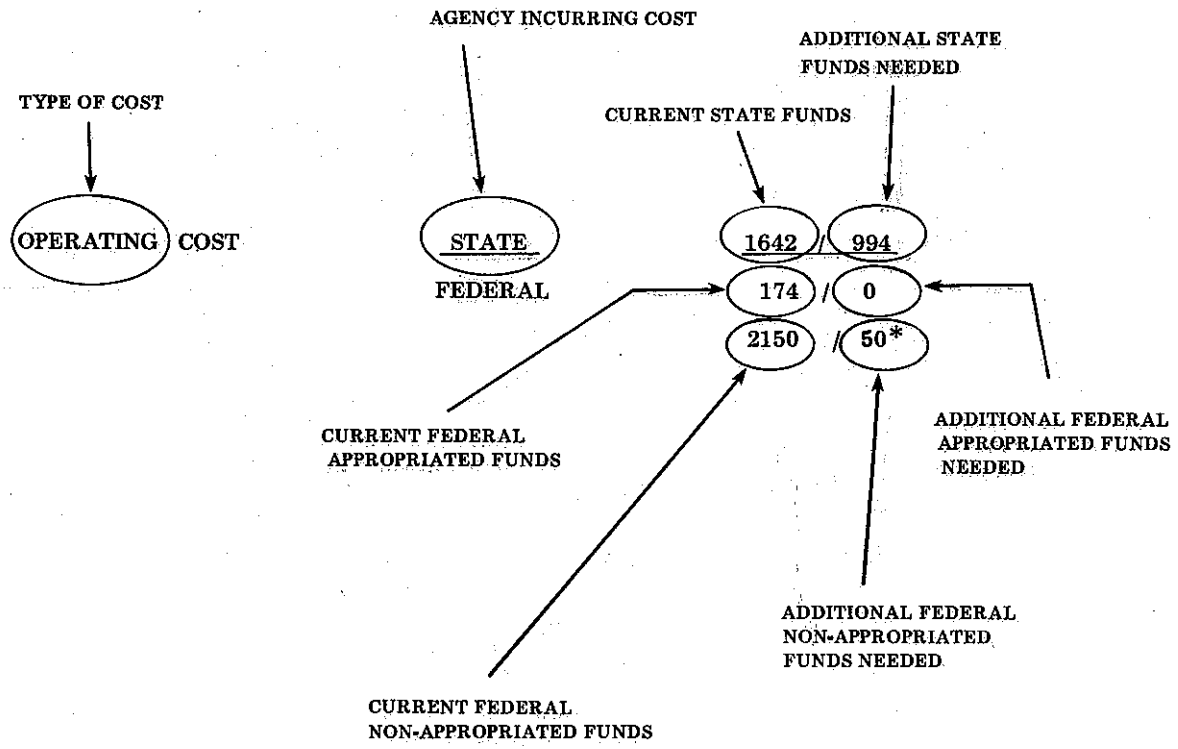
During 1983, as the major work of considering public testimony and making final recommendations was drawing to a close, the attention of the Task Force turned to the estimation of costs associated with implementing the State Water Plan. Contained within the ten critical issues, three cross-cutting topics and seven operating issues were over ninety major recommendations pertinent to water resource management in the State. Although some of the recommendations can be implemented with relatively few additional dollars, others cannot. In order to implement the recommendations of the State Water Plan, significant fiscal resources will have to be directed toward these ends. In some instances, these fiscal resources are needed to mitigate reductions in State and Federal support of existing program mandates. Beyond stabilizing existing program declines, the Task Force identified areas where new initiatives would be required to meet State Water Plan objectives.

In the following pages, costs estimates have been provided for the major recommendations and their component parts. These estimates are presented on an issue by issue basis and were prepared by each Agency which anticipated implementation costs for a given issue. These costs have been divided between operating and capital costs. Operating costs have been defined as those costs related to personnel and program operation. Capital costs have been defined as those costs associated with construction or purchase of equipment and provision of cost-share or other types of real property acquistion required to implement the recommendation.

The cost estimates have been further characterized as to source and availability. State Fiscal Year (SFY) 1984 was assumed to be the base

year for comparative purposes. SFY84 costs represent the current commitment to implementation of State Water Plan objectives. The projected costs for SFY85 and SFY86 are indicative of the near term implementation costs. They are annual totals rather than incremental costs above the SFY84 base year. Monies required to implement State Water Plan objectives have been identified as: State funds (current)/State funds (additional); federal appropriated funds (current)/federal appropriated funds (additional) and; federal non-appropriated funds (current)/federal non-appropriated funds (additional). State funding amounts follow directly across from each agency's cost. Federal appropriated funds are listed in the line immediately below State amounts. Federal non-appropriated funds are indicated by an asterisk. Federal appropriated funds are those funds which are received by the State from the federal government and which must be additionally appropriated by the Illinois General Assembly. Federal non-appropriated funds are those funds that are used by State agencies, or by agencies of the federal government in conjunction with State agency programs, which do not require appropriation by the Illinois General Assembly. The following page contains a graphic key to interpret the budget tables found in the remainder of this report.

STATE WATER PLAN BUDGET INTERPRETATION KEY



ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

ISSUE			FY84	FY85	FY86
Erosion and Sediment Control	Operating Costs	State	1841.7/0	1843.5/994	1875.5/1900
		Federal	319/0	277/0	160/0
	Capital Costs	State	1484/0*	2152/50*	2152/300*
		Federal	50/0	50/100	50/3100
			0	0	0
Protection of Underground Water	Operating Costs	State	372.5/16	273.5/213	291.5/327
		Federal	26/102	8/102	0/197
	Capital Costs	State	75/0*	90/0*	115/0*
Flood Damage Mitigation	Operating Costs	State	2206/0	2026/1422	2046/2072
		Federal	15/360*	15/200*	15/200*
	Capital Costs	State	6800/13100	6000/6000	6000/7500
		Federal	16800/0*	15000/5000*	15000/10000*
Water Conservation	Operating Costs	State	35.5/0	45.5/47.5	45.5/45
		Federal	3.5/50*	0/37.5	0
				20/160*	0/95*
Competition for Water	Operating Costs	State	127/0	77/447	77/487
		Federal	0	0	0
Aquatic and Riparian Habitat	Operating Costs	State	263.1/0	169/585	127.2/635
		Federal	73.6/0	127.5/0	111.6/0
			35/0*	35/0*	20/0*
Water Based Recreation	Operating Costs	State	43/0	26/6	23/45
		Federal	30/0	0	0
Atmospheric Changes and Management	Operating Costs	State	105/195	123/216.5	136/265
		Federal	485/0*	680/0*	2570/0*
	Capital Costs	State	0	0/108	--
		Federal	25/0*	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

ISSUE			FY84	FY85	FY86
Drought and Emergency Interruption of Supplies	Operating Costs	State	43/0	39/0	39/0
		Federal	3/0	3/0	3/0
Water Use Law	Operating Costs	State	29/0	29/40	9/20
		Federal	0	0	0
Integrated Water Management	Operating Costs	State	98/0	105.5/100	104/0
		Federal	181/0	181/0	181/0
Conflict Resolution	Operating Costs	State	60/0	60/0	60/50
		Federal	12	12	12
Public Participation	Operating Costs	State	33.5/20.5	30/20.5	28/20.5
		Federal	3.5/0	3.5/0	3.5/0
				0/5*	0/5*
Stream and Lake Use Management	Operating Costs	State	4.5/0	4.5/0	4.5/0
		Federal	30/0	30/0	30/0
Stream Data Measurements	Operating Costs	State	861/0	878/512	883/547
		Federal	300	302	301
			268/0*	450/0*	480/0*
Stream Indexing	Operating Costs	State	21.7/0	15.7/0	15.7/0
		Federal	3/0	3/0	3/0
Natural Resources Information Systems	Operating Costs	State	6/0	11/970	10.5/330
		Federal	0	0	0
Water Resource Permit Coordination	Operating Costs	State	123.1/0	156.1/0	231.1/0
		Federal	1.5/0	1.5/0	1.5/0
			115/0*	150/0*	150/0*
Water Resources Research and Education	Operating Costs	State	124.1/0	157.1/0	232.1/0
		Federal	1.5/0	1.5/0	1.5/0
			115/0*	150/0*	150/0*
Reservoir and Lakes Operations	Operating Costs	State	61.4/100	68.8/257	78.8/347
		Federal	150/0	130/20	130/280
				40/0	40/0
	Capital Costs	State	91/0	1341/0*	960/0*
		Federal	91/0	1381/0	1000/0

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

ISSUE			FY84	FY85	FY86
TOTAL	Operating Costs	State	6483.2/331.5	6156.3/5830.5	5800.9/6950.5
		Federal	864.6/102	898.5/229.5	756.6/547
			2873/410*	3929.5/415*	5539.5/600*
	Capital Costs	State	6941/13100	6045/6208	6090/10600
		Federal	91/0	1341/0*(a)	960/0*(a)
			16825/0*	1381/0	1000/0
				15000/5000*	15000/10000*
	TOTAL COSTS		48021.3	52434.3	63844.5
	EXISTING STATE COSTS		13424.2	12201.3	11890.9
	ADDITIONAL STATE COSTS		331.5	12038.5	17550.5

(a) Unappropriated local funds used as match for Clean Lakes projects.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI, WRC/GA

ISSUE

Erosion and Sediment Control

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State	36.7/0	20.5/0	16.5/0
		Federal	103/0	103/0	103/0
			2/0*	2/0*	2/0*
	2. Operating Costs	State	1794/0	1779/994	1779/1900
		Federal	199/0	174/0	57/0
			1482/0*	2150/50*	2150/300*
	Capital Costs	State	50/0	50/100	50/2100
		Federal	0	0	0
	3. Operating Costs	State	7/0	4/0	0
		Federal	17/0	0	0
	4. Operating Costs	State	4/0	40/0	80/0
		Federal	0	0	0
	Capital Costs	State	0	0	0/1000
		Federal	0	0	0
TOTAL	Operating Costs	State	1841.7/0	1843.5/994	1873.5/1900
		Federal	319/0	277/0	160/0
			1484*/0	2152/50*	2152/300*
	Capital Costs	State	50/0	50/100	50/3100
		Federal	0	0	0
	TOTAL COSTS		3694.7	5466.5	9537.5

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/GA ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. Continue soil and water conservation program coordination.						
A. Maintain the Soil Erosion and Water Quality Advisory Committee (SEWQAC) and two subcommittees.	Operating Costs	DOWR	1/0	1/0	1/0	Part of normal program handled by in-house staff
		Federal	0	0	0	
1. State Watershed Priority Committee	Operating Costs	DOC	2/0	1/0	1/0	Staff participation would be part of normal program
		Federal	0	0	0	
2. Education Committee	Operating Costs	DENR	3/0	3/0	3/0	
		Federal	0	0	0	
	Operating Costs	DOA	10/0	10/0	6/0	Within normal program.
		Federal	2/0*	2/0*	2/0*	
	Operating Costs	EPA	0	0	0	Part of normal program handled by in-house staff.
		Federal	4/0	4/0	4/0	
	Operating Costs	WRC/GA	3.5/0	3.5/0	3.5/0	New money within normal program.
		Federal	0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/GA ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
B. Complete a state soil erosion and water quality long-range plan.	Operating Costs	DOC	0.2/0	0	0	Staff participation would be part of normal program
		Federal	0	0	0	
1. Encourage all state and federal agencies to develop long-range and annual work plans consistent with the plan.	Operating Costs	DENR	2/0	2/0	2/0	
		Federal	0	0	0	
	Operating Costs	DOA	15/0	0	0	Completed in FY84.
		Federal	0	0	0	
2. Provide a forum to discuss annual work plans.	Operating Costs	EPA	0	0	0	Includes IEPA's role in maintaining the long range plan and support of AISWCD on this effort. Additional funding for AISWCD will be needed after FY86.
		Federal	99/0	99/0	99/0	
Total costs for Recommendation 1.	Operating Costs	State	36.7/0	20.5/0	16.5/0	
		Federal	103/0	103/0	103/0	
			2/0*	2/0*	2/0*	
	Total Costs		141.7	125.5	121.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOA, EPA, WRC/UI

ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Encourage all SWCD's to meet established soil erosion goals.						
A. Complete a modern soil survey in all counties by the year 1991, with additional federal, state and local resources as specified in the report "Water Plan Implementation Cost Estimates".	Operating Costs	DOA Federal	488/0 732/0*	448/248 1400/0*	448/224 1400/0*	Funding will be required until 1993.
B. Add 58 more SWCD employees	Operating Costs	DOA Federal	874/0 0	874/546 0	874/926 0	FY87 budget will require a 10% increase.
C. Assure the efficient and effective use of financial and technical resources by targeting resources into areas with the greatest resource concerns and needs.	Operating Costs	DOA Federal	2/0 0	2/0 0	2/0 0	
D. Provide state cost-share assistance for the installation of conservation practices on land for which a valid complaint has been filed under the soil erosion and sediment	Operating Costs	DOA Federal	0 0	0 0	0 0	
	Capital Costs	DOA Federal	50/0 0	50/50 0	50/50 0	State cost-share request is dependent upon complaints received.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOA, EPA, WRC/UI

ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
E. Convert 900,000 acres of land currently in row crop production to a less intensive land use (pasture, trees, etc.) because it cannot meet "T" values with current soil and water conservation technology.	Operating Costs	DOA	0	0/35	0/35	Costs for statewide inventory.
		Federal	0	0	0	
	Capital Costs	DOA	0	0/50	0/50	Total estimated cost to convert is 90 million.
		Federal	0	0	0	
1. Initiate a statewide inventory to specifically identify all such areas.						
F. Maintain and expand educational programs to increase the public awareness of soil and water conservation issues.	Operating Costs	DOA	200/0	200/50	200/500	State funds are provided to local SWCD's; federal funds to Cooperative Extension.
		Federal	700/0*	700/50*	700/300*	
1. Short range objective - educate adult decision makers.	Operating Costs	DOA	150/0	150/50	150/100	State funds provided to local SWCD's, federal funding unavailable.
		Federal	0	0	0	
2. Intermediate range objective - target educational programs to high schools and colleges.	Operating Costs	DOA	50	50/50	50/100	State funds provided to local SWCD's, federal funding unavailable.
		Federal	0	0	0	
3. Long-range objective - develop educational programs for grade school and junior high students.						

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOA, EPA, WRC/UI

ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
G. Develop new and refine existing incentives to encourage landowners to adopt soil conservation practices.	Operating Costs	DOA	10/0	0	0	
		Federal	4/0	0	0	
	Capital Costs	DOA	0	0	0/2000	Estimated cost assistance level to meet established goals of approximately 11,000 acres per year; any shortfall will either extend time or require increased future budget resources.
		Federal	0	0	0	
1. More effective use of existing incentive programs.						
2. Development of new incentives.						
H. Encourage and support expanded research in conservation economics and the development of new conservation practices.	Operating Costs	EPA	5/0	0	0	
		Federal	195/0	174/0	57/0	
	Operating Costs	WRC/UI	15/0	15/0	15/0	
		Federal	50/0*	50/0*	50/0*	
I. Establish an interagency program to use and apply conservation research.	Operating Costs	DOA	0	0/15	0/15	Support of half-time staff position.
		Federal	0	0	0	
Total costs for Recommendation 2.	Operating Costs	State	1794/0	1779/994	1779/1900	
		Federal	199/0	174/0	57/0	
			1482/0*	2150/50*	2150/300*	
	Capital Costs	State	50/0	50/100	50/2100	
		Federal	0	0	0	
	Total Costs		3525	5297	8336	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOA, EPA

ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Evaluate implementation of the Water Quality Management Plan.	Operating Costs	DOA / Federal	7/0 / 0	4/0 / 0	0 / 0	
	Operating Costs	EPA / Federal	0 / 17/0	0 / 0	0 / 0	Evaluation of the Illinois WQM Plan Agricultural Component is on a five year cycle. First five year evaluation will be completed in FY84.
A. Utilize established IEPA evaluation criteria in the 1984 progress evaluation of the Water Quality Management Plan.						
B. Identify and correct program deficiencies.						
C. Support the statewide measurement programs for stream flow, water quality, and sedimentation as measures of the problem and progress.						
Total costs for Recommendation 3.	Operating Costs	State / Federal	7/0 / 17/0	4/0 / 0	0 / 0	
	Total Costs		24	4	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOA
IMPLEMENTING AGENCY(IES): DOA

ISSUE: EROSION AND SEDIMENT CONTROL

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. Continue to coordinate existing watershed programs, and initiate a complimentary State program to direct resources into projects which will help protect important water resources and control erosion on agricultural land.	Operating Costs	DOA / Federal	4/0 / 0	40/0 / 0	80/0 / 0	Program implementation cost will require one million dollars in capital costs.
	Capital Costs	DOA / Federal	0 / 0	0 / 0	0/1000 / 0	
Total costs for Recommendation 4.	Operating Costs	State / Federal	4/0 / 0	40/0 / 0	80/0 / 0	
	Capital Costs	State / Federal	0 / 0	0 / 0	0/1000 / 0	
	Total Costs		4	40	1080	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI

ISSUE

Protection of
Underground Water

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State	5/0	0/15	0/15
		Federal	8/0	0	0
	2. Operating Costs	State	0	0	0
		Federal	0	0	0
	3. Operating Costs	State	326/0	236/165	258/235
		Federal	0/55	0/55	0/75
			75/0*	75/0*	100/0*
	4. Operating Costs	State	0/16	0/18	0/19
		Federal	0/2	0/2	0/2
	5. Operating Costs	State	5/0	2/0	1/0
		Federal	10/0	0	0
	6. Operating Costs	State	30/0	30/15	30/33
		Federal	0/45	0/45	0/45
				15/0*	15/0*
	7. Operating Costs	State	6.5/0	5.5/0	2.5/25
		Federal	8/0	8/0	0/75
TOTAL	Operating Costs	State	372.5/16	273.5/213	291.5/327
		Federal	26/102	8/102	0/197
			75/0*	90/0*	115/0*
	TOTAL COSTS		591.5	686.5	930.5

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC, DENR, EPA

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. Establishment of Levels of Protection Desired.	Operating Costs	DOC / Federal	2/0 / 0	0 / 0	0 / 0	Handled with existing staff; part of normal program.
	Operating Costs	DENR / Federal	0/0 / 0	0/15 / 0	0/15 / 0	
	Operating Costs	EPA / Federal	3 / 8	0 / 0	0 / 0	
Total costs for Recommendation 1.	Operating Costs	State / Federal	5/0 / 8/0	0/15 / 0	0/15 / 0	
	Total Costs		13	15	15	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DENR

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Determination of Users and Uses of Underground Water.	Operating Costs	DENR	--	--	--	Part of Water Use Monitoring program. See competition for water.
		Federal				
Total costs for Recommendation 2.	Operating Costs	State	0	0	0	
		Federal	0	0	0	
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DENR, EPA

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Development of Resource Inventory.						
A. Quality	Operating Costs	DENR	106/0	16/100	18/110	
		Federal	0	0	0	
	Operating Costs	EPA	20/0	0/20	0/25	USGS has 75K, 75K & 100K available in 84 & 85, 86, & 50K beyond 86 respectively. Addition State and Federal funds are needed to match.
		Federal	0/55	0/55	0/75	
			75/0*	75/0*	100/0*	
B. Quantity	Operating Costs	DOWR	--	0/45	0/100	New funds needed for FY85 costs for groundwater studies in five water short communities. In FY86 and beyond, 100K per year for three years needed for Mahomet Valley aquifer study.
		Federal		0	0	
	Operating Costs	DENR	200/0	220/0	240/0	
		Federal	0	0	0	
Total costs for Recommendation 3.	Operating Costs	State	326/0	236/165	258/235	
		Federal	0/55	0/55	0/75	
			75/0*	75/0*	100/0*	
	Total Costs		456	531	668	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DENR, EPA

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. Analyze the Treatability and Interconnection of Underground Waters.	Operating Costs	DENR / Federal	0/15 / 0	0/17 / 0	0/18 / 0	
	Operating Costs	EPA / Federal	0/1 / 0/2	0/1 / 0/2	0/1 / 0/2	Additional federal funds will be needed to direct this effort.
Total costs for Recommendation 4.	Operating Costs	State / Federal	0/16 / 0/2	0/18 / 0/2	0/19 / 0/2	
	Total Costs		18	20	21	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DENR, DOA, EPA

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
5. Determination of Local, State and Federal Responsibilities for Protection of Underground Water.	Operating Costs	DENR / Federal	1/0 / 0	1/0 / 0	0 / 0	Within normal program.
	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	EPA / Federal	3/0 / 10/0	0 / 0	0 / 0	Will be completed as part of the FY81 Section 208 grant.
Total costs for Recommendation 5.	Operating Costs	State / Federal	5/0 / 10/0	2/0 / 0	1/0 / 0	
	Total Costs		15	2	1	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DENR, EPA, WRC/UI

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
6. Identification of Degradation and Depletion of Underground Waters.	Operating Costs	DENR	0	0	0/18	Requires additional appropriations.
		Federal	0	0	0	
	Operating Costs	EPA	15/0	0/15	0/15	
		Federal	0/45	0/45	0/45	
	Operating Costs	WRC/UI	15/0	30/0	30/0	
		Federal	0	15/0*	15/0*	
Total costs for Recommendation 6.	Operating Costs	State	30/0	30/15	30/33	
		Federal	0/45	0/45	0/45	
				15/0*	15/0*	
	Total Costs		75	105	123	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA

ISSUE: PROTECTION OF UNDERGROUND WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
7. Develop and Implement Programs.	Operating Costs	DOWR / Federal	1/0 / 0	2/0 / 0	2/0 / 0	Part of normal program; handled by in-house staff.
	Operating Costs	DOC / Federal	2/0 / 0	0 / 0	0 / 0	Handled with existing staff; part of normal program.
	Operating Costs	DENR / Federal	1/0 / 0	1/0 / 0	0 / 0	
	Operating Costs	DOA / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
	Operating Costs	EPA / Federal	2/0 / 8/0	2/0 / 8/0	0/25 / 0/75	The costs in 84-85 pertain to inhouse SWP work. In 86-beyond three additional staff will be needed to implement an underground water program.
Total costs for Recommendation 7.	Operating Costs	State / Federal	6.5/0 / 8/0	5.5/0 / 8/0	2.5/25 / 0/75	
	Total Costs		14.5	13.5	102.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, WRC/UI

ISSUE

Flood Damage Mitigation

Recommendation		FY 1984	FY 1985	FY 1986
1. Operating Costs	State	2158/0	2018/1035	2018/1700
	Federal	15/0*	15/0*	15/0*
Capital Costs	State	6800/13100	6000/6000	6000/7500
	Federal	16800/0*	15000/5000*	15000/10000*
2. Operating Costs	State	5/0	5/82	25/32
	Federal	0	0	0
3. Operating Costs	State	40/0	0/265	0/265
	Federal	0/360*	0/200*	0/200*
4. Operating Costs	State	3/0	3/40	3/75
	Federal	0	0	0
TOTAL				
Operating Costs	State	2206/0	2026/1422	2046/2072
	Federal	15/360*	15/200*	15/200*
Capital Costs	State	6800/ 13100	6000/6000	6000/7500
	Federal	16800/0*	15000/5000*	15000/10000*
TOTAL COSTS		39281	35663	42833

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, WRC/UI ISSUE: FLOOD DAMAGE MITIGATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. Urban flood damage mitigation planning in Illinois has proceeded to a level where there is now an emerging backlog of economical flood damage reduction projects. This backlog will require over 250 million dollars for implementation. Flood problem area planning is continuing, although the time required for planning is considered excessive and diminishes the level of local support. Therefore:						
A. Required State expenditures for flood damage reduction measures shown, at a minimum, be maintained at a level of $10 million annually in order to effectively reduce the backlog in planned projects.	Operating Costs	DOWR	2155/0	2000/900	2000/1600	Base level continuation of river basin studies.
		Federal	0	0	0	
	Capital Costs	DOWR	6800/13100	6000/6000	6000/7500	For construction of "Ready to Go" projects. Funds over six million considered new appropriations.
		Federal	16800/0*	15000/5000*	15000/10000*	
	Operating Costs	DENR	0	0/50	0/50	Additional appropriations required for NE Illinois
		Federal	0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, WRC/UI ISSUE: FLOOD DAMAGE MITIGATION

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
B. Project planning procedures will be revised to shorten study duration and assure early termination of unacceptable project proposals.	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	Includes both rural and urban projects.
C. Policies for flood damage mitigation will stress local government participation and State-Federal cooperation.	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
D. Hydraulic, hydrologic, and economic analysis models for flood prone watersheds will include foreseeable, future changes.	Operating Costs	WRC/UI / Federal	0 / T5/0*	15/0 / T5/0*	15/0 / T5/0*	
E. Technical planning procedures and regulatory flood analyses will incorporate rainfall frequency values based on current climatic records and trends, to be assessed by the State Water Survey.	Operating Costs	DOWR / Federal	--	0/35 / 0	--	Additional funds for SWS study.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, WRC/UI ISSUE: FLOOD DAMAGE MITIGATION

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
F. Federal planning policies should be revised to remove arbitrary distinctions between types of flood damage problems and appropriate mitigation measures.	Operating Costs	DOA Federal	1/0 0	1/0 0	1/0 0	
G. A flood warning system involving a weather radar and meteorologists should be implemented for a multi-year demonstration effort in northeastern Illinois by the State Water Survey.	Operating Costs	DENR Federal	--	0/50 0	0/50 0	
Total costs for Recommendation 1.	Operating Costs	State Federal	2158/0 15/0*	2018/1035 15/0*	2018/1700 15/0*	
	Capital Costs	State Federal	6800/13100 16800/0*	6000/6000 15000/5000*	6000/7500 15000/10000*	
	Total Costs		38873	35068	42233	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOA

ISSUE: FLOOD DAMAGE MITIGATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Rural flood control project implementation has languished until recently in Illinois due to the lack of State agency leadership and coordination further complicated by ever-changing Federal priorities. Also, the cause of flooding problems in some rural areas is now being recognized as the cumulative increase on flood stages due to the construction of rural agricultural levees. Therefore:						
A. State leadership and programmatic responsibility for rural flood control project planning and implementation will be maintained through the staff of the Illinois Department of Agriculture.	Operating Costs	DOA Federal	3/0 0	3/32 0	3/32 0	Add full-time position in FY85.
B. A detailed basin by basin analysis of agricultural levee placement will be conducted in order to improve planning and permitting decisions in rural areas.	Operating Costs	DOWR Federal	--	0/50 0	20/0 0	Complete terminated contract for 3 basins in FY85. Beyond FY86 requires $20K per year to complete one basin per year using in-house staff and computer time.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOA

ISSUE: FLOOD DAMAGE MITIGATION

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
C. Land use planning for soil erosion and sediment control will be included as a component of rural flood control projects.	Operating Costs	DOA / Federal	2/0 / 0	2/0 / 0	2/0 / 0	
Total costs for Recommendation 2.	Operating Costs	State / Federal	5/0 / 0	5/82 / 0	25/32 / 0	
	Total Costs		5	87	57	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DENR

ISSUE: FLOOD DAMAGE MITIGATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. The State's flood damage mitigation program cannot exist successfully without a strong and broadly supported flood insurance and floodplain regulatory management program at the State and local level. Therefore:						
A. Statewide regulation of floodway construction will improve with an increased level of staffing.	Operating Costs	DOWR / Federal	--	0/70 / 0	0/70 / 0	Add two civil engineers.
B. All known violations of the State's floodplain regulations should be brought into compliance with timely investigation and enforcement.	Operating Costs	DOWR / Federal	--	0/125 / 0	0/125 / 0	Add three civil engineers plus legal fees.
C. Consideration for protecting natural conditions will become a part of the State's permit review process.						

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA

ISSUE: FLOOD DAMAGE MITIGATION

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
D. FEMA floodplain mapping should be completed for all flood-prone communities and updated for developing communities in order for local governments to have a sound technical basis for floodplain regulation. Federal flood insurance rate reductions should be allowed for non-structural flood proofing measures.	Operating Costs	DOWR Federal	0 0/360*	0 0/200*	0 0/200*	Additional federal appropriation required.
E. The State should continue to seek federal funding and develop State and local funding of programs to rebuild or relocate flood damaged buildings so they are protected from future flooding.						
F. The floodplain information repository will be maintained at the State Water Survey to (1) provide best available flood elevation data for floodplain managers (2) provide management support in the form of new flood-related reports and flood discharge values, and (3) assist local communities with amendments and revisions of insurance studies.	Operating Costs	DENR Federal	40/0 0	0/70 0	0/70 0	Additional appropriations required for floodplain repository and local assistance program.
Total costs for Recommendation 3.	Operating Costs	State Federal	40/0 0/360*	0/265 0/200*	0/265 0/200*	
	Total Costs		400	465	465	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DENR

ISSUE: FLOOD DAMAGE MITIGATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. Inadequate stormwater management planning and regulation by local governments can often create localized flooding and drainage problems where none existed previously. Therefore:						
A. Local governments should address stormwater management with legislation, such as a model ordinance for stormwater management presented in the Division of Water Resources Local Assistance manuals on stormwater management.	Operating Costs	DOWR / Federal	3/0 / 0	3/0 / 0	3/0 / 0	Local assistance and manuals supplied by in-house staff.
	Operating Costs	DENR / Federal	0 / 0	0/40 / 0	0/75 / 0	Additional appropriations required for climatic and physical factors leading to increased flooding in urbanizing areas.
Total costs for Recommendation 4.	Operating Costs	State / Federal	3/0 / 0	3/40 / 0	3/75 / 0	
	Total Costs		3	43	78	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DOWR, DENR, DOA, EPA, DCCA, WRC/UI

ISSUE

Water Conservation

Recommendation		FY 1984	FY 1985	FY 1986
1. Operating Costs	State	10/0	10/0	10/0
	Federal	0	0	0
2. Operating Costs	State	0	0	0
	Federal	1.5/50*	0/62*	0/66*
3. Operating Costs	State	0	0	0
	Federal	0	0/6*	0/7*
4. Operating Costs	State	--	--	--
	Federal			
5. Operating Costs	State	25.5/0	35.5/0	35.5/0
	Federal	0	20/3*	0/5*
6. Operating Costs	State	0	0	0
	Federal	2/0*	0/14*	0/17*
7. Operating Costs	State	0	0/12.5	0
	Federal	0	0/37.5	0
8. Operating Costs	State	0	0	0
	Federal	0	0/75*	0
9. Operating Costs	State	0	0/35	0/45
	Federal	0	0	0
TOTAL Operating Costs	State	35.5/0	45.5/47.5	45.5/45
	Federal	3.5/50*	0/37.5	0
			20/160*	0/95*
TOTAL COSTS		89.0	310.5	185.5

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DOWR, EPA, DCCA

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. The Division of Water Resources working with the Illinois Environmental Protection Agency and the Department of Commerce and Community Affairs will identify communities of the state that face imminent water shortages, and DWR will coordinate and target state technical assistance resources at these communities to promote water conservation.	Operating Costs	DOWR Federal	10/0 0	10/0 0	10/0 0	10K per year beyond FY86 is required; on-going assessment is part of normal program handled by in-house staff.
Total costs for Recommendation 1.	Operating Costs	State Federal	10/0 0	10/0 0	10/0 0	
	Total Costs		10	10	10	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DCCA, WRC/UI

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Under the leadership of the Department of Commerce and Community Affairs (DCCA), the State will develop educational materials on water conservation, as well as utilize materials from organizations such as the American Water Works Association. It will work with school officials and the media to educate the public and to promote water conservation.	Operating Costs	DCCA Federal	0 T.5/0*	0 0/12*	0 0/16*	In FY84, only mailouts of existing publications will occur. New publication development and reprinting of currently available publications will occur in FY85 & beyond, both of which are contingent upon additional funding. Funds are required for postage and printing. Additional funds are for in-house personnel to appear on TV and radio talk shows, in addition to video development of a 26-minute water conservation instructional program tape.
	Operating Costs	WRC/UI Federal	0 0/50*	0 0/50*	0 0/50*	WRC/UI would become heavily involved if funds were available.
Total costs for Recommendation 2.	Operating Costs	State Federal	0 T.5/50*	0 0/62*	0 0/66*	
	Total Costs		51.5	62	66	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DCCA

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. The DCCA will promote the marketing of water conservation devices by working with appropriate trade associations and retailers.	Operating Costs	DCCA	0	0	0	In-house staff to work with plumbing fixture wholesale and trade associations and retailers to promote water conservation devices. Additional funding in FY85 & beyond is required for personnel services.
		Federal	0	0/6*	0/7*	
Total costs for Recommendation 3.	Operating Costs	State	0	0	0	
		Federal	0	0/6*	0/7*	
	Total Costs		0	6	7	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DPH

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. The Department of Public Health will revise the State Plumbing Code to include water conservation fixtures. The adoption of the revised code will be recommended in water-deficient communities. The State will also adopt these codes for new State construction and building rehabilitation.			--	--	--	
Total costs for Recommendation 4.	Operating Costs	State	0	0	0	
		Federal	0	0	0	
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DENR, DOA, DCCA, WRC/UI ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
5. The State will promote industrial water conservation through workshops and other technology transfer programs, and will conduct and evaluate pilot projects at state institutions.	Operating Costs	DENR / Federal	25/0 / 0	25/0 / 0	25/0 / 0	Part of the Institutional Water Treatment Program).
	Operating Costs	DOA / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	Work with irrigators.
	Operating Costs	DCCA / Federal	0 / 0	0 / 0/3*	0 / 0/5*	Funds are for in-house personnel to analyze successful water conservation programs implemented by commercial and industrial businesses and local water service providers.
	Operating Costs	WRC/UI / Federal	0 / 0	10/0 / 20/0*	10/0 / 0	
Total costs for Recommendation 5.	Operating Costs	State / Federal	25.5/0 / 0	35.5/0 / 20/3*	35.5/0 / 0/5*	
	Total Costs		25.5	58.5	40.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DCCA, DWR

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
6. The State will work closely with local officials and utilities of communities facing water shortages to assist in guiding the development of water conservation plans that include viable financial structures that reflect actual water costs. Attention will be given both to demand management as well as adequate supply and distribution development by coordination with the Division of Water Resources.	Operating Costs	DCCA Federal	0 2/0*	0 0/14*	0 0/17*	FY84-85 topic will be covered in Small Business Energy Conservation workshops. No FY84 workshops specific to water conservation are planned, except for emergency conditions workshops. FY85 & beyond will require additional funding for both emergency conditions and specific workshops. Funds are for in-house staff, workshop announcements, program development, contractual services and miscellaneous workshop costs. FY84 local government assistance will be borne through existing local management services budget. Additional funds for FY85 & beyond are required for personnel and contractual services and postage.
Total costs for Recommendation 6.	Operating Costs	State Federal	0 2/0*	0 0/14*	0 0/17*	
	Total Costs		2	14	17	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): EPA

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
7. The curriculum for water plant operators should be enlarged to encompass water conservation practices and financial planning to accomodate conservation practices.	Operating Costs	EPA	0	0/12.5	0	This would be a one time cost for development of material to be incorporated into ongoing program.
		Federal	0	0/37.5	0	
Total costs for Recommendation 7.	Operating Costs	State	0	0/12.5	0	
		Federal	0	0/37.5	0	
	Total Costs		0	50	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DCCA

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
8. The Department of Commerce and Community Affairs will retrofit up to 17,000 low-income residences with water conservation devices under the federally funded Illinois Home Weatherization Assistance Program.	Operating Costs	DCCA	0	0	0	DCCA will bear all labor costs. Funding is required only for retrofit materials.
		Federal	0	0/75*	0	
Total costs for Recommendation 8.	Operating Costs	State	0	0	0	
		Federal	0	0/75*	0	
	Total Costs		0	75	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DCCA
IMPLEMENTING AGENCY(IES): DENR

ISSUE: WATER CONSERVATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
9. The State will monitor and evaluate the effectiveness of water conservation programs through the water use inventory program.	Operating Costs	DENR	0	0/35	0/45	Expansion of Water Use Monitoring Program.
		Federal	0	0	0	
Total costs for Recommendation 9.	Operating Costs	State	0	0/35	0/45	
		Federal	0	0	0	
	Total Costs		0	35	45	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DENR, DOA

ISSUE

Competition for Water

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State	0	0/160	0/160
		Federal	0	0	0
	2. Operating Costs	State	26/0	36/50	36/50
		Federal	0	0	0
	3. Operating Costs	State	101/0	41/237	41/277
		Federal	0	0	0
TOTAL	Operating Costs	State	127/0	77/447	77/487
		Federal	0	0	0
	TOTAL COSTS		127	524	564

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: COMPETITION FOR WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. To identify future conflicts, the State (SWS) will continue to monitor water use on a statewide basis and periodically evaluate the balance of supplies and demands on a regional basis.	Operating Costs	DENR	0	0/160	0/160	Includes water use monitoring and balance of supply evaluation.
		Federal	0	0	0	
Total costs for Recommendation 1.	Operating Costs	State	0	0/160	0/160	
		Federal	0	0	0	
	Total Costs		0	160	160	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DENR, DOA

ISSUE: COMPETITION FOR WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Illinois water resources agencies will continue to monitor and participate in the planning and development of new consumptive water uses and direct all such developments to regions of the State with sufficient water supply sources.	Operating Costs	DOWR / Federal	--	10/0	10/0	Part of normal program; handled by in-house staff.
	Operating Costs	DENR / Federal	25/0	25/50	25/50	
	Operating Costs	DOA / Federal	1/0	1/0	1/0	
Total costs for Recommendation 2.	Operating Costs	State / Federal	26/0	36/50	36/50	
	Total Costs		26	86	86	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DENR, DOA

ISSUE: COMPETITION FOR WATER

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. The State will develop the necessary methods and procedures to assist new and expanding water users in evaluating impacts of proposed developments.	Operating Costs	DOWR / Federal	10/0 / 0	0 / 0	0/40 / 0	New funds for FY86 and beyond; development and implementation for five additional watersheds.
	Operating Costs	DENR / Federal	90/0 / 0	40/237 / 0	40/237 / 0	187K required in FY85 and 86 to determine impacts of new groundwater development existing groundwater users.
	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
Total costs for Recommendation 3.	Operating Costs	State / Federal	101/0 / 0	41/237 / 0	41/277 / 0	
	Total Costs		101	278	318	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI

ISSUE

Aquatic and Riparian Habitat

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State	205.2/0	113.5/490	77/625
		Federal	16/0	3/0	3/0
	2. Operating Costs	State	1/0	0	0
		Federal	0	0	0
	3. Operating Costs	State	56.9/0	55.5/95	50.2/10
		Federal	57.6/0	124.5/0	108.6/0
			35/0*	35/0*	20/0*
TOTAL	Operating Costs	State	263.1/0	169/585	127.2/635
		Federal	73.6/0	127.5/0	111.6/0
			35/0*	35/0*	20/0*
	TOTAL COSTS		371.7	916.5	893.8

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DOA, EPA

ISSUE: AQUATIC AND RIPARIAN HABITAT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. Much data exists on Illinois' water resources. Unfortunately these abundant data are not always available in a usable form to answer basic questions. Without such information, habitat protection programs are difficult to develop and implement, and available resources for habitat protection cannot be targeted for maximum effectiveness. Therefore,						
A. The Department of Conservation (DOC) working with Taskforce agencies, will continue development of the Illinois Stream Information System (ISIS) by funding ISIS at a level sufficient to at least keep pace with and provide information on aquatic habitat values to IEPA's use-based water quality standard setting effort.	Operating Costs	DOC Federal	146.2 0	38/240 0	38/175 0	New headcount (data base manager) added in FY86 with costs divided equally among 1a, 1b, 1c, operating costs include $111.2, $240 and $160 for FY84, 85 and 86 for contractual support of ISIS from DOC non-land, non-construction capital budget. $15K per year beyond FY86 required for ISIS maintenance.
	Operating Costs	EPA Federal	0 16/0	0 3/0	0 3/0	ISIS has been funded at a level to keep up with IEPA's water standards revision process. This will include putting bed material and discharger information into the system.
B. The DOC, working with the Natural History Survey and the U.S. Fish and Wildlife Service, will initiate an inventory of Illinois' wetlands and integrate the resulting data into ISIS.	Operating Costs	DOC Federal	50 0	22/250 0	22/285 0	Includes $30, $250 and 270 in FY84, 85 and 86 for contractual support.
	Operating Costs	DOA Federal	2/0 0	1/0 0	0 0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DOA, EPA

ISSUE: AQUATIC AND RIPARIAN HABITAT

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
C. The DOC will add available data on Illinois' lakes, natural and man made, to ISIS to complete a water resource information system.	Operating Costs	DOC / Federal	0 / 0	42.5/0 / 0	5/165 / 0	Includes $150.0 for FY86 contractual costs; $15.0 required yearly for maintenance support after FY86.
D. Based on information from these systems, DOC will identify the most ecologically, recreationally, and economically important aquatic and riprarian habitats and develop programs to protect them through management, regulation, acquisition, and legislation.	Operating Costs	DOC / Federal	7/0 / 0	8/0 / 0	10/0 / 0	Existing staff.
E. Taskforce agencies will cooperatively develop a comprehensive statewide resource information system by establishing, as a first step, a formal mechanism for interagency cooperation to coordinate existing resource inventory and information system efforts. (See Natural Resource Information Systems operating issue.)	Operating Costs	DOWR / Federal	--	2/0 / 0	2/0 / 0	Part of normal program; handle by in-house staff.
Total costs for Recommendation 1.	Operating Costs	State / Federal	205.2/0 / 16/0	113.5/490 / 3/0	77/625 / 3/0	
	Total Costs		221.2	606.5	705	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOA

ISSUE: AQUATIC AND RIPARIAN HABITAT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Currently, environmental protection of Illinois' waters is limited by the lack of formal authority for the Illinois Department of Transportation, Division of Water Resources (DOWR), to condition or refuse permits for construction activities along Illinois' rivers, lakes, and streams on environmental grounds. Therefore,						
A. DOWR will adopt formal rules and regulations for "An Act in Relation to Rivers, Lakes, and Streams of 1911", that explicitly include environmental considerations in water resources planning, permitting, and development.	Operating Costs	DOA Federal	1/0 0	0 0	0 0	DOA costs included in Water Resources Permit Coordination operating issue. DOA costs reflect review rule-making document.
B. DOWR, working with DOC and IEPA, will implement these rules and regulations by informing permit applicants and by conditioning and, where necessary, rejecting applications on environmental grounds.	Operating Costs	DOC Federal	--	--	--	DOC costs included in Water Resources Permit Coordination operating issue.
Total costs for Recommendation 2.	Operating Costs	State Federal	1/0 0	0 0	0 0	
	Total Costs		1	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, EPA, WRC/UI

ISSUE: AQUATIC AND RIPARIAN HABITAT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Currently, there is no accepted, common understanding of what should constitute minimum protected flow in Illinois' streams to maintain water quality, perpetuate aquatic life forms, and support recreational and other beneficial uses. Therefore,						
A. The Taskforce will adopt a state interim instream flow policy, planning and research agenda, and an interim standard that will protect flows while achieving an acceptable balance with other legitimate uses of Illinois water for agriculture, water supply, and industry. DOWR and DOC will present these recommendations to the Taskforce.	Operating Costs	DOWR Federal	4/0 0	0/95 0	0/10 0	New funds in FY85 for pool and riffle regional relationships and IFG modelling of one additional basin. New funds in FY86 to maintain IFG models.
	Operating Costs	DOC Federal	10.0/0 48.6/0	7.0/0 115.5/0	7.0/0 99.6/0	Federal costs reflect Dingell-Johnson portion of DENR-INHS Fisheries in-stream flow study; $4.0 per year required after FY86.
	Operating Costs	DENR Federal	32.9/0 0	38.5/0 0	33.2/0 0	NHS staff match for Dingell-Johnson supported in-stream flow study.
	Operating Costs	EPA Federal	0 9/0	0 9/0	0 9/0	Efforts on in-stream standards will be handled within normal program.
	Operating Costs	WRC/UI Federal	10/0 35/0*	10/0 35/0*	10/0 20/0*	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, EPA, WRC/UI ISSUE: AQUATIC AND RIPARIAN HABITAT

Recommendation (cont.)			FY 1984	FY 1985	FY 1986	Remarks
B. State agencies will implement the policy, agenda, and standard in agency operations and communicate them to water development interests and other affected parties.	Operating Costs	DOC / Federal	--	--	--	Costs included in 3.A.
C. DOWR and DOC will develop mechanisms for revising the standard based on research and experience in implementation.	Operating Costs	DOC / Federal	--	--	--	Costs included in 3.A.
Total costs for Recommendation 3.	Operating Costs	State / Federal	56.9/0 57.6/0 35/0*	55.5/95 124.5/0 35/0*	50.2/10 108.6/0 20/0*	
	Total Costs		149.5	310	188.8	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC, DOA, EPA

ISSUE

Water Based Recreation

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State	18/0	12/0	7/0
		Federal	0	0	0
	2. Operating Costs	State	21/0	9/0	11/0
		Federal	30/0	0	0
	3. Operating Costs	State	4/0	5/6	5/45
		Federal	0	0	0
TOTAL	Operating Costs	State	43/0	26/6	23/45
		Federal	30/0	0	0
	TOTAL COSTS		73	32	68

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC

ISSUE: WATER-BASED RECREATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. In 1979, the Reagan administration abolished the Heritage Conservation and Recreation Service and eliminated its previous federal coordinating role for urban waterfront renewal. Therefore,						
A. The Department of Conservation (DOC), working with the Department of Commerce and Community Affairs (DCCA), will develop a State waterfront renewal policy in 1983, based on the project report Urban Waterfront Renewal: The Illinois Experience, funded by the State Water Plan Task Force, with federal Water Resources Council monies and the urban waterfront renewal workshop held in June, 1983.	Operating Costs	DOC / Federal	18/0	10/0	7/0	DOC existing staff only; state and federal capital funds are used for waterfront renewal but are not specifically earmarked for this purpose. 7K will be needed per year beyond FY86.
B. Future workshops on selected issues related to urban waterfront renewal will be held, cosponsored by the DOC and other interested agencies.	Operating Costs	DOC / Federal	0/0	2/0	0/0	
Total costs for Recommendation 1.	Operating Costs	State / Federal	18/0	12/0	7/0	
	Total Costs		18	12	7	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC, DOA, EPA

ISSUE: WATER-BASED RECREATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Existing data on the recreational use of Illinois' waters is inadequate for effective planning and management. Therefore,						
A. The DOC will add statewide information in 1983 on the existing and potential recreational uses of Illinois' waters, both lakes and streams, to the Illinois Streams Information System (ISIS). This work will be funded by USEPA, through the IEPA, with Department of Conservation staff coordination and data collection.	Operating Costs	DOC / Federal	13/0	--	--	DOC existing staff only.
	Operating Costs	EPA / Federal	0 / 30/0	--	--	Funding to implement loading of ISIS with recreation use data will be completed in FY84. Funds being passed through to DOC.
B. The DOC will use this recreation information, in conjunction with data on the integrity of aquatic communities, to identify Illinois' most important streams and lakes and develop programs to better protect and manage these waters to meet recreation demands. Specifically, use this information to both guide IEPA's use-based revision of water quality standards and the interagency coordination of stream and lake management.	Operating Costs	DOC / Federal	7/0 / 0	8/0 / 0	10/0 / 0	Existing staff.
	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
Total costs for Recommendation 2.	Operating Costs	State / Federal	21/0 / 30	9/0 / 0	11/0 / 0	
	Total Costs		51	9	11	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC

ISSUE: WATER-BASED RECREATION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Although many access sites have been developed in Illinois during recent years, many through the Department of Conservation's local boating assistance program, additional, more effectively located, access is needed. Therefore,						
A. As part of the statewide assessment of recreational use (Recommendation 2 above), the DOC will collect information on the location of existing access sites statewide.	Operating Costs	DOC Federal	--	--	--	Costs included in 2.a.
B. The DOC will analyze the statewide access site data to provide improved direction to the Department of Conservation's boating assistance program in locating new sites.	Operating Costs	DOC Federal	3/0 0	3/0 0	0/30 0	In FY86 replace headcount (boating program coordinator) lost in FY83. 30 per year after FY86.
C. The DOC, DCCA and others will increase public awareness of existing opportunities by publishing a directory of Illinois' boat liveries and charter boat services in 1983.	Operating Costs	DOC Federal	1/0 0	2/6 0	5/15 0	Directory in press; will be reprinted in FY85 and revised and printed in FY86.
Total costs for Recommendation 3.	Operating Costs	State Federal	4/0 0	5/6 0	5/45 0	
	Total Costs		4	11	50	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DWR, DENR

ISSUE

Atmospheric Changes and Management

Recommendation		FY 1984	FY 1985	FY 1986
1. Operating Costs	State/Federal	50/120 90/0*	65/135 80/0*	75/175 70/0*
Capital Costs	State/Federal		0/80 0	--
2. Operating Costs	State/Federal	15/20 15/0*	17/20 0	20/20 0
Capital Costs	State/Federal	0 25/0*	0/28 0	--
3. Operating Costs	State/Federal	40/40 380/0*	40/44 600/0*	40/50 2500/0*
4. Operating Costs	State/Federal	0/15 0	1/17.5 0	1/20 0
TOTAL				
Operating Costs	State/Federal	105/195 485/0*	123/216.5 680/0*	136/265 2570/0*
Capital Costs	State/Federal	0 25/0*	0/108 0	--
TOTAL COSTS		810	1127.5	2971

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: ATMOSPHERIC CHANGES AND MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. A research and monitoring program be sustained to detect and predict climate shifts and changes due to man-made effects such as acid rain and heavier rains in metropolitan areas.	Operating Costs	DENR / Federal	50/120 / 90*	65/135 / 80*	75/175 / 70*	Federal support depends on State investment.
	Capital Costs	DENR / Federal	--	0/80 / 0	--	
Total costs for Recommendation 1.	Operating Costs	State / Federal	50/120 / 90/0*	65/135 / 80/0*	75/175 / 70/0*	
	Capital Costs	State / Federal	--	0/80 / 0	--	
	Total Costs		260	360	320	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: ATMOSPHERIC CHANGES AND MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. The Illinois Climate Center should continue to develop means to improve user access to long-range climate predictions and climate data, and enhance public and institutional awareness of climate change.	Operating Costs	DENR	15/20	17/20	20/20	
		Federal	15*	0	0	
	Capital Costs	DENR	0	0/28	0	
		Federal	25*	0	0	
Total costs for Recommendation 2.	Operating Costs	State	15/20	17/20	20/20	
		Federal	15/0*	0	0	
	Capital Costs	State	0	0/28	0	
		Federal	25/0*	0	0	
	Total Costs		75	65	40	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: ATMOSPHERIC CHANGES AND MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Research concerning weather modification should be pursued to determine how to increase precipitation (including project organization), and scientific assessments of private projects by the State Water Survey.	Operating Costs	DENR Federal	40/40 380*	40/44 600*	40/50 2500*	
Total costs for Recommendation 3.	Operating Costs	State Federal	40/40 380/0*	40/44 600/0*	40/50 2500/0*	
	Total Costs		460	684	2590	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DENR

ISSUE: ATMOSPHERIC CHANGES AND MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. A Climate Detection and Assistance Team should be established to develop drought and flood contingency plans, and to develop policy positions and regulatory recommendations regarding unfavorable atmospheric modifications including acid rainfall.	Operating Costs	DOWR Federal	--	1/0 0	1/0 0	Part of normal program; handled by in-house staff.
	Operating Costs	DENR Federal	0/15 0	0/17.5 0	0/20 0	
Total costs for Recommendation 4.	Operating Costs	State Federal	0/15 0	1/17.5 0	1/20 0	
	Total Costs		15	18.5	21	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DWR, DENR, DOA, EPA, ICC

ISSUE

Drought and Emergency
Interruption of Supplies

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	10/0	10/0	10/0
			0	0	0
	2. Operating Costs	State/Federal	25/0	21/0	21/0
			0	0	0
	3. Operating Costs	State/Federal	8/0	8/0	8/0
			3/0	3/0	3/0
	4. Operating Costs	State/Federal	0	0	0
			0	0	0
TOTAL	Operating Costs	State/Federal	43/0	39/0	39/0
			3/0	3/0	3/0
	TOTAL COSTS		46	42	42

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DENR

ISSUE: DROUGHT AND EMERGENCY INTERRUPTION OF SUPPLIES

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. Adequate planning and early warnings are necessary requirements for a complete Statewide drought response program. The Illinois State Water Survey now publishes a monthly report on Illinois climatic conditions and trends. Therefore:						
A. The State Water Survey will continue to issue monthly reports and projections of climate and water supply conditions as a principle means of alerting agencies at various levels of the current drought potential.	Operating Costs	DENR / Federal	10/0	10/0	10/0	
Total costs for Recommendation 1.	Operating Costs	State / Federal	10/0	10/0	10/0	
	Total Costs		10	10	10	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DENR, DOA

ISSUE: DROUGHT AND EMERGENCY INTERRUPTION OF SUPPLIES

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. State Water Plan Special Report No. 3 entitled, "Drought Contingency Planning" summarizes the drought-related activities of Illinois State agencies. Therefore:						
A. The drought response framework described in the report with the following elements will be implemented:	Operating Costs	DOWR Federal	10/0 0	10/0 0	10/0 0	Part of normal program; handled by in-house staff.
	Operating Costs	DENR Federal	11/0 0	10/0 0	10/0 0	
1. Identification of the onset of drought 2. Assessment of the extent, severity, and duration of drought 3. Convening drought response task force 4. Develop appropriate levels of public notices 5. Reassessment based upon condition reports 6. Encouragement of appropriate local level response 7. Initiation coordinated assistance of state agencies 8. Issuance of disaster declaration from the Governor 9. Seeking federal disaster assistance 10. Supplemental funding for the State Disaster Fund 11. Carry out public education	Operating Costs	DOA Federal	4/0 0	1/0 0	1/0 0	
Total costs for Recommendation 2.	Operating Costs	State Federal	25/0 0	21/0 0	21/0 0	
	Total Costs		25	21	21	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DENR, DOA, EPA

ISSUE: DROUGHT AND EMERGENCY INTERRUPTION OF SUPPLIES

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Illinois' various programs for drought response need to be coordinated and placed in a constant state of preparation. Therefore:						
A. Illinois State agencies will rename members and alternates to the State Drought Task Force. This task force shall meet annually to review readiness and shall be co-chaired by the Director of the Division of Water Resources and Head of the IEPA Public Water Supply Section.	Operating Costs	DOWR	4/0	4/0	4/0	Part of normal program; handled by in-house staff.
		Federal	0	0	0	
	Operating Costs	DENR	1/0	1/0	1/0	
		Federal	0	0	0	
	Operating Costs	DOA	2/0	2/0	2/0	
		Federal	0	0	0	
	Operating Costs	EPA	1/0	1/0	1/0	Public Water Supply will work on this issue; effort is with normal program.
		Federal	3/0	3/0	3/0	
Total costs for Recommendation 3.	Operating Costs	State	8/0	8/0	8/0	
		Federal	3/0	3/0	3/0	
	Total Costs		11	11	11	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): ICC

ISSUE: DROUGHT AND EMERGENCY INTERRUPTION OF SUPPLIES

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. One special problem that exists in drought events in the demand placed on proprietary water systems regulated by the Illinois Commerce Commission. Therefore:						
A. The Illinois Commerce Commission should consider rate adjustments for proprietary water systems during water emergencies to promote conservation and compensate for lost revenue.	Operating Costs	ICC / Federal	--	--	--	Part of normal program. Handled by in-house staff on an as-needed basis.
Total costs for Recommendation 4.	Operating Costs	State / Federal	0 / 0	0 / 0	0 / 0	
	Total Costs		0	0	0	