

June 7, 1984

Introduced by GARY GRANT

Proposed No. 84-367

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MOTION NO. 8034

A MOTION authorizing the King County Executive to enter into an agreement with the Cities of Auburn, Kent, Renton and Tukwila for the purpose of implementing a Management Agreement for the Green River.

WHEREAS, the Green River flows through the geographical boundaries of King County and the Cities of Auburn, Kent, Renton and Tukwila and is a common drainage course for surface waters originating within these jurisdictions, and

WHEREAS, flows in the Green River have been regulated by the U.S. Army Corps of Engineers since the construction of Howard Hanson Dam and the Eagle Gorge Reservoir in 1962, and

WHEREAS, King County and the Cities of Auburn, Kent, Renton and Tukwila are parties to an interlocal agreement (May, 1978) which established the Green River Basin Program for the purpose of coordinating the implementation of drainage and flood control improvements and which established the Green River Basin Executive Committee to oversee a long range program to improve basin-wide surface water management, and

WHEREAS, since the establishment of the Green River Basin Program, King County and the Valley Cities have adopted other interlocal agreements which cooperatively seek solutions to surface water and flood control problems in the Green River Valley including, but not limited to; regulatory responses to urban drainage; flood hazards and landfill encroachment on floodplains; construction and enhancement plans for the Black River outlet channel; redesign, environmental mitigation and long term financing plans for the East Side Watershed Project; and recreation and open space plans for the Green River corridor, and

WHEREAS, King County and the Valley Cities recognized the need for a Green River Management Agreement subsequent to their collective decision to withdraw from the Soil Conservation Service East Side Watershed Project in

1 July 1982 and as a result of the Corps of Engineers change in policy con-  
2 cerning discharges into the river from interior pumping facilities during  
3 flooding conditions, and

4 WHEREAS, in January 1983 King County and the Valley Cities adopted an  
5 interlocal agreement directing the preparation of a management agreement for  
6 the Green River to consist of procedures, guidelines and programs for relat-  
7 ing river flows to pumped interior discharges and provisions for coordinat-  
8 ing levee monitoring and flood fighting operations, and

9 WHEREAS, King County and the Valley Cities recognize the use of the  
10 Green River for conveyance of floodwaters also creates responsibilities for  
11 improvement of the Green River channel and related facilities and the shar-  
12 ing in the costs of programs to plan, design, administer, construct and  
13 maintain those required structural improvements, particularly in the  
14 absence of an expressed federal interest (Corps of Engineers) in those  
15 improvements, and

16 WHEREAS, there are mutual advantages to these jurisdictions joining in  
17 a management agreement for the Green River which provides a coordinated  
18 levee monitoring and pump operation plan, a programmatic approach to levee  
19 improvements on the Green River and related interior drainage projects, an  
20 equitable approach to long term financing of flood control improvements, and  
21 a participatory role for each party in setting priorities, schedules and  
22 annual work program budgets;

23 NOW, THEREFORE, BE IT MOVED, by the Council of King County:

24 The King County executive is authorized to enter into and carry out the  
25 provisions of an agreement implementing the Green River Management Agreement  
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1 in substantially the same form as attached hereto (Green River Management  
2 Agreement and 1985 Work Program) with the Cities of Auburn, Kent, Renton and  
3 Tukwila.

4 PASSED this 18th day of June, 1984.

6 KING COUNTY COUNCIL  
7 KING COUNTY, WASHINGTON

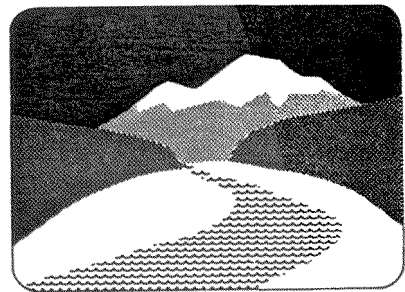
8 Gary Grant  
9 Chairman

10 ATTEST:

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12 Dorothy M. Owens  
13 Clerk of the Council

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Green River  
Basin Program



March 14, 1984

GREEN RIVER MANAGEMENT AGREEMENT

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GREEN RIVER MANAGEMENT AGREEMENT

THIS AGREEMENT is entered into by and among the CITY OF AUBURN, a municipal corporation of the State of Washington, (hereinafter referred to as "Auburn"), the CITY OF KENT, a municipal corporation of the State of Washington (hereinafter referred to as "Kent"), the City of Renton, a municipal corporation of the State of Washington (hereinafter referred to as "Renton", the City of Tukwila, a municipal corporation of the State of Washington (hereinafter referred to as "Tukwila") and the COUNTY OF KING (hereinafter referred to as "King County").

- WHEREAS, the Green River flows through the geographical boundaries of the parties hereto and is a common drainage course for the parties; and
- WHEREAS, the Green River flow has been regulated by the Corps of Engineers since the construction of Howard A. Hanson Dam and the Eagle Gorge Reservoir in 1962; and
- WHEREAS, the Green River has been legislatively recognized by the parties hereto as an important recreation and environmental resource of the region in their approval of The River of Green as a general planning guide for river related recreation and open space; and
- WHEREAS, there are mutual advantages to the parties hereto joining in coordinated cost sharing and the management of operations contributing inflows to the Green River; and
- WHEREAS, the parties hereto recognize that the benefits of using the Green River as a resource also creates responsibilities for sharing in the costs of planning, administration, construction, operation and maintenance of the Green River channel and related facilities; and
- WHEREAS, the parties hereto resolved through a 1978 Intergovernmental Agreement to jointly seek solutions to Green River management problems through the creation of the Green River Basin Program and the Green River Basin Executive and Technical Committees and subsequent intergovernmental agreements related to flood protection projects and surface water management in the Green River Basin; and
- WHEREAS, the parties hereto agreed to withdraw from the Soil Conservation Service Green River Eastside Watershed Drainage Project at a sponsors' meeting on July 1, 1982, and more recently Renton has moved to reactivate portions of the Eastside Project, and the parties recognize a need for Green River management policies precipitated by these actions.

Therefore, the parties to this agreement hereby join together for the purpose of coordinating their activities over management of the Green River in the following manner:

1. PROCEDURES RELATING RIVER FLOWS TO EXISTING PUMPING FACILITIES

- 1.0 The parties hereto agree to operate the following pumping stations, in the manner hereinafter described, for the purpose of draining interior flood waters consistent with reducing the risk of overtopping or failure of the Green River levee system.

- 1.1 a. The pumping stations requiring control, and their capacities are as follows:

	<u>Installed Capacity</u>	<u>Operating Capacity</u>	<u>Responsible Party</u>
Black River (P-1)	2,945 cfs	1,375 cfs	King County
Tukwila (P-17)	100 cfs	100 cfs	King County
Kent	90 cfs	90 cfs	Kent

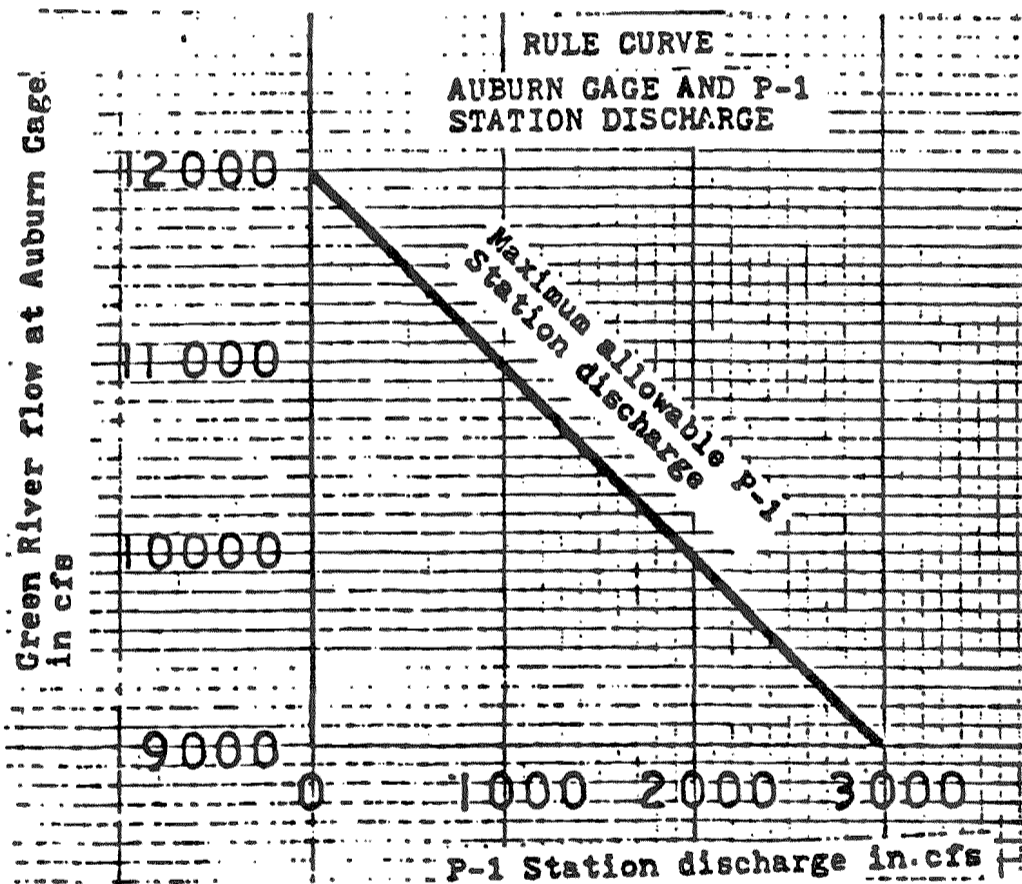
- b. The parties hereto agree to endeavor to seek agreements with operators of privately operated pump stations currently discharging into the Green River to ensure that their operations are compatible with the Pump Operations Plan set forth in paragraphs 1.3 and 1.4. In the event that a party hereto assumes control of an existing privately-operated pump station, its operation will be regulated by the provisions of paragraph 1.4.a herein and will be added to the operating parties' current discharge allotment per paragraph 2.3.1.
- 1.2 When Green River flows are predicted by the Corps of Engineers to exceed 9,000 cfs at the Auburn gage, the Pumping Operations Plan, described in paragraphs 1.3 and 1.4, will go into effect.
- 1.3 In accordance with the Pumping Operations Plan, all plants will be subject to shutdown by the King County Director of Public Works or his designee in the event the King County Director of Public Works or his designee determines that there exists a substantial risk of imminent levee failure or overtopping or for public safety emergency.
- 1.4 Pump operators will operate according to the following guidelines:
- a. Pump installations at Kent and P-17 will operate as required. However, when the King County Director of Public Works or his designee determines that river monitoring observations, described in paragraph 4.1 indicate a substantial risk of imminent levee failure and/or overtopping, the shut down of pumping will occur at all of the foregoing stations.
- b. At the P-1 Pump station, operations will be according to Table 1 and the following rule curve:



TABLE 1

<u>Measured</u>	<u>P-1</u>
<u>Flows at Auburn gage (cfs)</u>	<u>Maximum allowable pumping (cfs)</u>
Less than 9,000 cfs	As required
9,000 cfs	2,945 cfs <sup>1</sup>
9,500 cfs	2,500 cfs
10,000 cfs	2,000 cfs
10,500 cfs	1,500 cfs
11,000 cfs	1,000 cfs
11,500 cfs	500 cfs
More than 11,500 cfs	500 cfs to zero depending on levee monitoring by King County Director of Public Works or his designee. P-1 Pump station discharges will not exceed the rule curve of allowable pumping flows. Further restrictions on P-1 pumping capacity may be required per paragraph 1.3.

<sup>1</sup> Assumes full installed capacity is available



2. GUIDELINES FOR FUTURE DRAINAGE SYSTEMS AND LEVEE IMPROVEMENTS

2.1 GREEN RIVER LEVEE IMPROVEMENTS

- 2.1.1 The parties hereto recognize the need to improve sections of the Green River channel from the State Highway 18 bridge near Auburn to the Interstate 5 bridge crossing the Duwamish River, to provide necessary freeboard, to reinforce levees requiring strengthening, and to accommodate future drainage inflows.
- 2.1.2 The parties hereto agree to develop a Green River Levee Improvement Plan. This plan will be prepared under the technical direction of King County in accordance with procedures noted in paragraph 3.
- 2.1.3 The Levee Improvement Plan will result from comprehensive planning, engineering, and financial studies and will involve:
- a. predicting future drainage inflows to the Green River based on adopted comprehensive plans for each party;
  - b. comparing levee improvement costs against local costs for pumping and at-site storage to achieve an economical and practical balance;
  - c. integrating proposed levee improvement and on-site storage requirements with Corps of Engineers operation of Howard Hanson Dam.
  - d. considering the effect of drainage inflows from development of tributary lands beyond the boundary limits noted in paragraph 2.1.1.;
  - e. investigating alternative financing plans for Green River channel improvements.
- 2.1.4 The plan will incorporate the preservation of wetlands, water quality, recreation and other environmental factors as set forth in The River of Green report.
- 2.1.5 The plan will be designed to reduce known hazards in the levee system and to accommodate the projected Mill Creek and northeastern Auburn inflows described in section 2.2.
- 2.1.6 A mutual agreement will be sought with the U.S. Army Corps of Engineers and the Federal Emergency Management Agency on the channel freeboard requirement for the Green River levee system.
- 2.1.7 Should any party to this agreement modify levees within their jurisdictional boundaries for purposes other than levee heightening or maintenance, the costs associated with that

modification are the sole responsibility of that party. It is understood that if said city or county makes these modifications and they are altered due to a levee project resulting from this agreement, the payment for replacing structures or facilities (ex: jogging trails, park buildings) lies within the party who installed the facility.

## 2.2 FUTURE DRAINAGE FROM MILL CREEK AND NORTHEASTERN AUBURN

- 2.2.1 The parties hereto agree that by implementing a Green River Levee Improvement Plan, an outlet will be provided adequate to accommodate Mill Creek and northeastern Auburn drainage inflow into the Green River. The outlet, determined from some combination of on-site storage and pumping into Green River, as set forth in paragraph 2.3.4, will provide the opportunity to develop an interior drainage plan for the Mill Creek Basin (P-4)<sup>1</sup> and the northeast sector of Auburn (P-7).
- 2.2.2 Estimates of future drainage from Mill Creek and northeastern Auburn will be determined from the same time frame as estimates for other future drainage inflows which are considered in the Green River Levee Improvement Plan. The Green River Levee Improvement Plan will be designed to accommodate Mill Creek and northeastern Auburn inflow requirements, as noted in 2.2.1, in a phased levee improvement program.
- 2.2.3 The drainage plan for Mill Creek and northeastern Auburn will be coordinated with King County's farmland preservation program in the lower Green River to ensure that program objectives are mutually compatible.

## 2.3 FUTURE DISCHARGE CAPACITY GUIDELINES

- 2.3.1 Any future pump discharges into the Green River, other than these identified in paragraphs 1.1.a, 1.1.b or 2.3.2, will require improvement of and increased Green River channel capacity. However, an existing discharge allotment may be changed from one geographical area to another, if there is no increase in the total discharge within jurisdictional boundaries, and providing river profile studies show that the river channel can accommodate the changed inflow discharge.
- 2.3.2 At less than 9,000 cfs river discharge at Auburn, additional pumping drainage inflow is permitted, providing that sufficient storage capacity is available so that when the river reaches 9,000 cfs at the Auburn gage (or some other

<sup>1</sup>Sectors identified in the U.S. Soil Conservation Service Report, West Side Green River Watershed Work Plan, April, 1966.

agreed flow), drainage pumping shall cease and further drainage inflow shall be stored until the Green River recedes to 9000 cfs.

- 2.3.3 The parties may agree to compatible added drainage pump discharges in the event river regulation is modified by Corps of Engineers changes to the operation of Howard Hanson Dam or if the Green River channel capacity changes with time.
- 2.3.4 The design discharge capacity of new drainage systems or increases in capacity to existing installations which discharge into the Green River will consider the alternative costs and benefits of on-site storage and drainage outlet peak reduction to alternative costs and benefits of increasing Green River levee capacity as provided per paragraph 2.1.3.
- 2.3.5 New or added pumped or pressurized drainage discharges into Green River, for drainage flows less than 30 cfs are permitted, provided that they are limited to operational periods when Green River at the Auburn gage is less than 9,000 cfs. All other requests for new drainage capacity into the Green River will be reviewed and approved by the Basin Technical Committee.
- 2.3.6 The parties hereto recognize that maintaining designated Green River channel rights-of-way is necessary to preserve the integrity of planned drainage improvements. The parties agree to attempt to obtain rights-of-way for channel improvements and any designated floodway storage through land use approvals.
- 2.3.7 Any future interior drainage channel plans and installations will be coordinated, on an individual basis, between neighboring jurisdictions during the planning stage.

#### 2.4 INTERIOR DRAINAGE RESPONSIBILITIES

- 2.4.1 The primary responsibility for planning, design, construction, operation and maintenance of an interior drainage channel system within a municipality is the responsibility of that municipality, subject only to the provisions of this Agreement with respect to discharges into the Green River.
- 2.4.2 When more than one municipality and/or King County may be involved in an interior drainage project, the responsibilities may be mutually shared, as determined by the respective parties.

### 3. TECHNICAL LEADERSHIP

- 3.1 King County will provide the technical leadership and administrative direction for studies needed to implement the principles of this Agreement as provided in paragraph 5.1.
- 3.2 In providing technical support, King County may perform the necessary work with in-house staff, outside consultants or arrangements with other governmental bodies.
- 3.3 The Basin Technical Committee, or entities directly involved as appropriate, will participate in programming, scoping of studies and monitoring study findings and progress.

### 4. PUBLIC SAFETY AND WELFARE

#### 4.1 GREEN RIVER LEVEE MONITORING SYSTEM

- 4.1.1 All monitoring of Green River flood conditions shall be under the direction of the King County Director of Public Works or his designee, in accordance with procedures to be jointly developed by the parties and incorporated into King County's "Emergency Control Procedures Manual, Flood Warning and Flood Fighting" by August 1, 1985. All parties hereto will use this manual and it will be distributed to the participating cities by September 1, 1985. Monitoring by King County shall begin when river flows are forecast by the Corps of Engineers to exceed 5,000 cfs at the Auburn gage.
- 4.1.2 King County Department of Public Works will identify low points and locations of potential levee failure in the Green River levees between the State Highway 18 bridge near Auburn and the Interstate 5 Bridge, crossing the Duwamish River, according to criteria to be agreed to by the Basin Technical Committee. The levees will be inspected annually by King County before and after the flood season (September 15 to May 1). King County will furnish information about the critical levee locations at the summer meeting of the Basin Executive Committee as the basis for the monitoring of the Green River levees in the ensuing flood season.
- 4.1.3 King County Department of Public Works will maintain liaison with the Corps of Engineers and during flood events will obtain forecast flow information and hourly, or more frequently, river stage discharge measurements at the Auburn gage for the purpose of monitoring runoff and flood events.
- 4.1.4 During a flood event, when the river flows are forecast by the Corps of Engineers to exceed 5,000 cfs at the Auburn gage, the King County Director of Public Works or his designee will notify the public works directors of the cities of Auburn, Kent, Renton and Tukwila.

4.1.5 The details of monitoring such as notification, communications, reporting and other matters shall be based on mutually acceptable procedures to be formulated by the King County Director of Public Works or his designee and the directors of Public Works of Auburn, Kent, Renton, and Tukwila. The cities of Auburn, Kent, Renton, and Tukwila will provide observers for river levee monitoring primarily within their incorporated boundaries. King County will oversee the entire Green River levee monitoring program and will provide observers in the unincorporated and incorporated areas. The disposition of all observers will be coordinated by the King County Director of Public Works or his designee. In preparing the procedures the present system of river gages will be reviewed to determine its adequacy. The parties agree to consider means to improve river monitoring capability, including telemetering of river gages. Each jurisdiction shall meet its own costs in monitoring operations and services.

#### 4.2 EMERGENCY OPERATIONS AND FLOOD WARNING

The existing emergency operating and warning system are set forth in King County's "Emergency Control Procedure Manual, Flood Warning and Flood Fighting," November, 1982. King County has the lead responsibility for all flood fighting and flood warnings on the Green River. The parties hereto agree to develop cooperative aid agreements, for use in the event of flood emergency, and for incorporation into the King County's Emergency Control Procedures Manual by September 1, 1985.

#### 5. COST SHARING

- 5.1 The parties hereto agree that each will share equally (20%) in future Green River levee improvement studies to include coordinated planning, engineering, and financial analyses, as may be authorized by the Basin Executive Committee in the annual work program (Paragraph 6.2). The parties agree that Exhibit A attached (Green River Management Agreement Work Program 1985), and by this reference hereby incorporated as part of this agreement, represents the work program necessary to implement the activities set forth in this agreement through December 1985. The parties further agree to present to their legislative bodies a request for funding equivalent to their respective shares of Exhibit A not later than November 1, 1984. No element of Exhibit A which involves cost sharing by two or more of the parties hereto, shall be initiated until all participating parties have secured funding for their respective shares.
- 5.2 The financial plan for the Green River Levee Improvement Plan will consider costs for Green River levee improvements and costs of future pump stations and their related storage facilities. Separable costs of these associated facilities will be essentially those costs for local drainage collection, whereas joint costs will apply to drainage facilities affecting the Green River levee requirements, including possibly the accommodation of drainage inflows from one jurisdiction through

another jurisdiction. Studies will be made of various cost allocation alternatives giving consideration to the benefits realized and the jurisdictions within which the various segments of channel improvement are located.

- 5.3 Studies will be made of cost sharing alternatives for system operation and maintenance in accordance with guidelines to be approved by the Basin Executive Committee.

## 6. ANNUAL REPORT AND WORK PROGRAM

6.1 An annual report will be prepared by the King County Director of Public Works or his designee and will be furnished the Basin Executive Committee by July 1 each calendar year. It will include at least the following:

- a. Records of the effectiveness of the Pumping Stations Operations Plan when discharges at the Auburn gage exceeded 9,000 cfs.
- b. Records of maintenance or improvements made or scheduled during the year for the Green River levee system between State Highway 18 bridge near Auburn and the Duwamish River.
- c. Up to date listing of critical levee locations or river banks including areas damaged during high water.
- d. A report of the past year's experience with the Green River Levee Monitoring System.
- e. Listing of complaints registered by any party to this agreement on matters thereto and their disposition or recommendations to assist the Basin Executive Committee in resolving any grievance.

6.2 An annual work program will be formulated by the Basin Technical Committee and will be approved by the Basin Executive Committee by July 1 of each calendar year. The work program will include projected activities and line item budgets for each activity including administrative overhead for the technical support to the Basin Technical Committee and the Basin Executive Committee.

## 7. TERMINATION OR AMENDMENT

This agreement may be amended or terminated only by the expressed agreement of all parties pursuant to legislative action by each signatory to this agreement.

## 8. DURATION

The duration of this agreement shall be 6 years from the effective date.

9. EFFECTIVENESS

This agreement shall be filed and submitted for approval by the requisite authorities and upon the last such filing or approval, the agreement shall come into and be of full force and effect.

10. HOLD HARMLESS

Nothing in this agreement is intended to create any legal duty toward any person not a party to this agreement. None of the obligations in this agreement or any breach of the obligations shall give rise to legal action or a claim for damages by any person not a party to this agreement.



KING COUNTY

The signing of this agreement was authorized by the governing body of KING COUNTY adopted at a meeting on \_\_\_\_\_, 1984.

ATTEST

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

AUBURN

The signing of this agreement was authorized by the governing body of the CITY OF AUBURN adopted at a meeting on \_\_\_\_\_, 1984.

ATTEST

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

KENT

The signing of this agreement was authorized by the governing body of the CITY OF KENT adopted at a meeting on \_\_\_\_\_, 1984.

ATTEST

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

RENTON

The signing of this agreement was authorized by the governing body of the CITY OF RENTON adopted at a meeting on \_\_\_\_\_, 1984.

ATTEST

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

TUKWILA

The signing of this agreement was authorized by the governing body of the CITY OF TUKWILA adopted at a meeting on \_\_\_\_\_, 1984.

ATTEST

By: \_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



GREEN RIVER WORK PROGRAM  
(Section 1.0 - Pump Operation Plan)

SPECIFIC OBJECTIVE: Implement first phase of Pump Operation Plan (Section 1 of Agreement)

STANDARDS AND SPECIFICATIONS:  
Staffing

COSTS: \$4,000

RESPONSIBILITY: Donald J. LaBelle  
Director of Public Works

START DATE: February 1985  
COMPLETION DATE: April 1985

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Review existing operation of P-1, P-17, Kent & Union Pacific pump plants with pump operators and Public Works Director	PW/CIT	850200		
Establish responsible persons for each plant	PW/CIT	850300		
Develop written plan to coordinate pumping	PW	850400		
Brief pump operators on coordinate pumping plan	PW/CIT	850400		
Seek agreement with Union Pacific Railroad on pump operation plan	CIP	850400		
Conduct in-house briefing to flood warning staff	PW	850400		
Provide Corps of Engineers with Pump Operation Plan	PW	850400		

GREEN RIVER WORK PROGRAM  
(Summary)

SPECIFIC OBJECTIVE: Develop 1984 & 1985 Work Program to implement proposed Green River Management Agreement

STANDARDS AND SPECIFICATIONS:

- King County and cities of Tukwila, Renton, Kent, and Auburn must approve Agreement.
- Budget approved for 1985 Work Program.
- Staffing.

COSTS: 1985 Estimated Cost Sharing \$196,000

RESPONSIBILITY: Donald J. LaBelle  
Director of Public Works

START DATE: February, 1984  
COMPLETION DATE: July, 1986

AGMT SEC	ACTIONS	RESPONSIBILITY	SCHED.	NOTES
<u>1984 Work Program</u>				
	1984 & 1985 Work Programs with cost estimates	KC/CIT	840600	
<u>1985 Work Program</u>				
1.0	Implement first phase of Pump Operation Plan	PW	850400	\$4,000
2.1	Green River Levee Improvement Plan	PW	851200	\$120,000
2.2	Future Drainage from Mill Creek and Northeastern Auburn	KC/Aub/Kent	850800	\$40,000
4.1	Flood Warning & Levee Monitoring	PW	850600	\$4,000
4.1	Improve Green River Monitoring Capability	PW	860300	\$8,000
5.0	Financial plan for future construction and O&M	KC/CIT	860700	\$20,000
6.0	1985 Annual Report	PW	850700	\$10,000
All	Administrative & logistical support	PW	860600	\$10,000

GREEN RIVER ACTION PLAN  
 (Levee Improvement Plan) Continued.

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Prepare preliminary plans (20 sites)	PW	851000	\$30,000	KC or Consultant
Determine construction priority	PW/CIT	851000	\$3,000	KC or Consultant
Incorporate environmental & recreational factures	PW/PL/CIT	851100	\$6,000	
Establish operation and maintenance responsibility	PW/CIT	851100	\$4,000	
Brief Public Works Director	PW	851200		
Prepare written report	PW/PL	851200	\$6,000	
Review with cities	PW	851200		
Prepare Environmental Impact Statement	PW/PL	860300	\$15,000	
Submit to Technical Committee	PW	860400		
Public meeting on levee improvements	PW	860500	\$3,000	
Submit to BEC	PW	860600		
Adopt Plan		860700		

GREEN RIVER WORK PROGRAM  
(Section 2.1 - Green River Levee Improvement Plan)

SPECIFIC OBJECTIVE: The Green River levee improvement plan will document levee improvement needs for the entire lower Green River system. Data from Corps studies will be used to the greatest extent practicable. Preliminary engineering design plans, construction cost estimates and implementation priorities will be established. Environmental mitigation and recreation elements will also be integrated into the design.

A written report will be prepared and reviewed with all parties in December. Technical and BEC Committee reviews of the plan as well as public reviews will occur in the first quarter of 1986. Estimated cost of the plan is \$120,000.

STANDARDS AND SPECIFICATIONS:

- Funding
- Staffing

COSTS: \$120,000

RESPONSIBILITY: Donald J. LaBelle, Director

START DATE: January 1984  
COMPLETION DATE: June 1986

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Review existing Corps & County levee studies	PW	850200	\$3,000	
Review future development plans within drainage basins and set future inflows to Green River	PW/PL/CIT	850500	\$4,000	
Review P-1 pump hydrology and hydraulics for possible modification	PW	850500	\$2,000	
Establish drainage controls to satisfy maximum allowable 1st floor	PW/PL	850400	\$2,000	
Set maximum inflow from Mill Creek	KC/CIT	850500	\$1,000	See Mill Creek
Survey existing river bank profiles and plot	PW	850300	\$50,000	
Establish design criteria for levee improvement - Consider 2 or 3 alternatives	PW/CIT	850400	\$5,000	
King County staff will work with Corps to run backwater profile for 2-3 alternatives	PW	850600	\$2,000	Need Commitment from Corps
Get approval of levee criteria including freeboard from Corps of Engineers & FEMA	PW	850700	\$2,000	

GREEN RIVER WORK PROGRAM  
(Section 4.1 - Flood Warning & Levee Monitoring)

SPECIFIC OBJECTIVE: Review King County Flood Warning Manual to involve the cities more in flooding warning and levee monitoring of the Green River. Phase I (Section 4 of Agreement).

STANDARDS AND SPECIFICATIONS:  
Staffing

COSTS: \$4,000

RESPONSIBILITY: Donald J. LaBelle

START DATE: February 1985  
COMPLETION DATE: June 1985

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Form a steering committee to review and expand the King County Flood Warning Manual to include pump operation and levee monitoring	PW/CIT	850200		
Identify low points and locations of potential levee failures	PW	850400		
Establish a priority call list, levee monitoring and pump operation plan	PW/CIT	850400		
Submit priority call list, levee monitoring plan, and location of special levee concerns to BEC	PW	850600		
Distribute revised manual to Corps and cities	PW	850600		



GREEN RIVER WORK PROGRAM  
(Section 2.2 - Future Drainage from Mill Creek and Northeastern Auburn)

**SPECIFIC OBJECTIVE:** A detailed review of the Corps of Engineers pump/pond analysis will be conducted to establish a "preferred" inflow from Mill Creek. Mill Creek inflow is a critical design parameter that will be determined in future levee improvement plans. Studies will be made to coordinate Mill Creek drainage with surface water requirements upstream in Auburn, drainage needs for agricultural lands and levee improvements downstream. Reactivation of the SCS West Side Watershed Project as a reformulated agricultural drainage project will be explored. Estimated costs are \$40,000.

**STANDARDS AND SPECIFICATIONS:**

- Coordination between Auburn and King County
- Adequacy of Corps of Engineers data on Mill Creek Pump
- Use consultant for pump study

**COSTS:** Auburn           \$20,000  
 King County   \$10,000  
 Kent            \$10,000

**RESPONSIBILITY:** King County & Cities of Auburn  
 Kent

**START DATE:** January 1985  
**COMPLETION DATE:** June 1985

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Review Corps pump pond analysis	PW/Aub	850200		Consultant
Award consultant contract to analyze different alternative of pumping and on-site storage	Aub	850300		
Consider affect on farmlands, roads and increase to the backwater profile	PL/PW/Aub	850300		
Investigate potential to reactivate the SCS West Side Project	PL/Aub/PW	850400		
Analyze cost of pumping vs. possible adverse effects upstream and increases in levee costs	PW/Aub	850500		Set preferred inflow from Mill Creek
Submit to the Technical Committee	PW	850500		
Submit to BEC	PW	850600		

GREEN RIVER WORK PROGRAM  
(Section 6.0 - 1985 Annual Report)

SPECIFIC OBJECTIVE: 1985 Annual Report

STANDARDS AND SPECIFICATIONS:

COSTS: \$10,000

RESPONSIBILITY: Donald J. LaBelle, Director  
Department of Public Works

START DATE: April 1985  
COMPLETION DATE: July 1985

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Prepare report outlining:				
Pumping plan when flows 9,000 cfs	PW	850500		
List maintenance costs for year	PW	850500		
Prepare post-flood season levee report	PW	850500		
Update critical levee location	PW	850500		
Report on monitoring program	PW	850500		
List complaints	PW	850500		
Make changes to existing program as necessary	PW	850600		
Prepare annual report	PW	850600		

GREEN RIVER WORK PROGRAM  
(Section 4.1 - Improve Green River Monitoring Capability)

SPECIFIC OBJECTIVE: Studies will be made to identify means to improve river gaging capability and the costs of implementing an improved system. Extensive work with the Corps of Engineers is expected. A gaging improvement report will be prepared and reviewed with the Technical and BEC Committees. Costs are estimated at \$8,000.

STANDARDS AND SPECIFICATIONS:  
- Approval by Corps of Engineers

COSTS: Study/Design      \$8,000  
          Construction      Unknown

RESPONSIBILITY: Donald J. LaBelle

START DATE: June 1985  
COMPLETION DATE: March 1986

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Work with the Corps to review the existing river monitoring capability	PW	850600		
Establish construction time frame and ways to monitor pump operations and guaging from Renton Shops	PW/Corps	850800		
Prepare improved gaging capability with cost estimate. Determine Corps participation	PW/Corps	851200		
Submit to Technical Committee	PW	860100		
Submit to BEC	PW	860300		

GREEN RIVER WORK PROGRAM  
(Administration & Logistical Support)

SPECIFIC OBJECTIVE: Administer work program and budget and logistical support to the Basin Technical and Basin Executive Committees.

STANDARDS AND SPECIFICATIONS:

COSTS: 1985 \$10,000

RESPONSIBILITY: Donald J. LaBelle, Director  
Department of Public Works

START DATE: January 1985  
COMPLETION DATE: June 1986

ACTIONS	RESPONSIBILITY	SCHED.	RESC. REQD.	NOTES
Set up monitoring of 1985 work program	PW	850100		
Coordinate work with cities	PW	860600		
Briefing and coordination with BTC and BEC	PW	860600		

WORK PROGRAM TASK

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J F M A M J

1984 Work Program

Adopt Agreement & Work Program

Administration and Logistical Support

1985 Work Program

Sec. 1.0 Pump Operation Plan

Sec. 2.1 Green River Levee Improvement Plan

Sec. 2.2 Future Drainage for Mill Creek  
Northwestern Auburn

Sec. 4.1 Flood Warning & Levee Monitoring

Sec. 4.2 Improve Green River Monitoring  
Capability

Sec. 5.0 Financial Plan for Future Improvements

Sec. 6.0 Annual Report

1986 Work Program

Adopt Levee Construction and Financial Plan

1985 Work Program  
Cost Allocation By Party And Task

a. Cost Allocation by Task

<u>TASK</u>	<u>TOTAL COST</u>	<u>% BY PARTY</u>	<u>COST BY PARTY</u>
Pump Operation Plan	\$ 4,000	20% Each	\$ 800
Green River Levee Imp.	120,000	20% Each	24,000
Mill Creek Drainage	40,000	50% Auburn 25% King County 25% Kent	20,000 10,000 10,000
River & Levee Monitoring	12,000	20% Each	2,400
Financing Plan	To be done in 1986		
Annual Report	10,000	20% Each	2,000
Administrative	10,000	20% Each	2,000
	<u>\$196,000</u>		

b. Cost Allocation By Party

<u>Party</u>	<u>Cost</u>
Auburn	\$51,200
Kent	41,200
Renton	31,200
Tukwila	31,200
King County	41,200
	<u>\$196,000</u>

MOTION NO. 6035

A MOTION relating to control of smoking in Legislative Branch facilities and vehicles.

WHEREAS, there is substantial research and clinical evidence demonstrating that smoking is harmful to the health of smokers and non-smokers exposed to tobacco smoke, and

WHEREAS, the King County Council intends to protect and promote the health of its employees and maintain a safe and healthful environment for the public using council facilities, and

WHEREAS, the council recognizes the preferences of non-smokers not to breathe unwelcomed tobacco smoke, and

WHEREAS, the council recognizes the preferences of smokers provided that they limit the infringement of their smoke upon the rights of others, and

WHEREAS, the preferences of both groups can be respected only by a spirit of compromise within the existing limitations of the mechanical ventilation systems of the county buildings;

NOW, THEREFORE, BE IT MOVED by the Council of King County:

Smoking in Legislative Branch facilities is prohibited except in designated locations and private offices assigned to a single individual.

Supervisors in the Legislative Branch shall:

Inform all potential candidates for employment that the council has a policy limiting workplace smoking.

Identify all areas in which smoking is prohibited.

Identify all areas in which smoking is allowed.

Inform all employees about prohibition of smoking in non-smoking areas.

1 Post signs so that it is clear whether smoking is  
2 prohibited or allowed.

3 With the consent of each of the occupants, separate,  
4 enclosed offices may be designated as smoking areas as long  
5 as the door to the office remains shut while smoking is in  
6 progress to limit the exposure of non-smokers to the resulting  
7 smoke. Occupants of such a designated office shall refrain  
8 from smoking during the presence of an individual making  
9 such a request. The council administrator shall resolve any  
10 complaint concerning this policy which any other Legislative  
11 Branch Supervisor has not resolved.

12 PASSED this 18th day of June, 1984.

13 KING COUNTY COUNCIL  
14 KING COUNTY, WASHINGTON

15 Gary Grant  
16 Chairman

17 ATTEST:

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19 Jane M. Rivera  
20 Clerk of the Council  
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