

FREEHOLD

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January 26, 2011

The Honorable Larry Gossett

Chair, King County Council
King County Courthouse
516 Third Ave., Rm. 1200
Seattle, WA 98104

Re: Reclaimed Water Compressive plan

The Honorable Larry Gossett:

We at Freehold support King County's Waste Water Treatment Division's proposal to analyze water reclamation strategies. Water Reclamation dovetails extremely well with our development of a sustainable neighborhood with 1,600 units of housing and 350,000 sf of additional commercial space planned for Interbay.

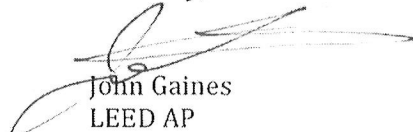
In addition to the development, Freehold is working with the City and County to create a district heating system utilizing waste heat from the County's 8 foot diameter sewer main running beneath the neighborhood. Preliminary studies have found that a water reclamation system could utilize the same sewer tap and distribution infrastructure as the heating district to deliver reclaimed water for toilet flushing and irrigation at a greatly reduced initial cost.

The master plan for Interbay calls for sustainable building practices and green infrastructure (low impact development). The aggregation of these sustainable attributes greatly improves public awareness and acceptance which is one of our shared goals.

In addition to the planned development, Interbay already posses several intensive non potable water consumers such as the Brown Bear Carwash, Interbay Golf Course, pea patch, food processing and ball fields. There is also the opportunity

Studying water reclamation strategies in the Interbay neighborhood has a real chance of leading to economically successful implementation with significant public impact. Please let us know if we may provide more information or be of any assistance in the site selection process.

Sincerely,


John Gaines
LEED AP
Development Manager

CC: Steve Tolzman, Project Manager, King County Reclaimed Water Comprehensive Plan
The Honorable Dow Constantine, King County Executive



FREEHOLD GROUP, LLC
OFFICE BUILDING INVESTMENTS, LLC



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6406 MARINE DR. TULALIP, WA 98271
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The Tulalip Tribes are the successors
in interest to the Snohomish,
Snoqualmie and Skykomish tribes
and other tribes and bands signatory
to the Treaty of Point Elliot.

April 1, 2011

Larry Gossett, Chairman
Regional Water Quality Committee
of the King County Council
201 S. Jackson St. – Room 700
Seattle, WA 98104-3855

RE: Expanding Reclaimed Water Program

Dear Chairman Gossett,

This letter is in support of King County studying strategies for expanding it's reclaimed water program. The tribes are generally in favor of developing reclaimed water programs that reduce the need for potable water and also help to improve stream flows.

Currently, the service area for the King County Wastewater Treatment Plants receives most of its potable water from reservoirs high up in the watersheds and is discharged through the various wastewater treatment plants directly into Puget Sound. This use of water greatly reduces the amount of water available in the river systems for fish to use. By developing systems for reintroducing clean effluent water back into the rivers and streams will help implement the salmon restoration plans we have for our watershed.

As you know, Tulalip uses a similar Membrane Bio-Reactor (MBR) technology for the Wastewater Treatment Plant serving the Quil Ceda Village area as the King County Brightwater Wastewater Treatment Plant. The MBR technology by removing 99.8% of particulate matter does a tremendous job of removing most pollutants before discharging its effluent into receiving waters. By discharging the effluent into receiving waters through infiltration and artificial wetlands, allows for natural processes to strip out remaining pollutants. These natural processes also add needed minerals and nutrients back into the effluent. The effluent coming out of the treatment plants are to sterile for fish to live in and needs to have minerals and nutrients added back in for fish to survive.

By making reclaimed water available for irrigation uses, industrial uses and other non-potable uses, the County can help to reduce the demand of potable drinking water leaving more available

for fish and delaying the need to develop new water resources to meet the demands of a growing population in the service area.

Thank you for your consideration of these comments.

Sincerely yours,



Daryl Williams
Environmental Liaison

cc: Christie True
G.I. James



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

*Councilmember
Conlen*

March 30, 2011~~March 25, 2011~~

Motion

Proposed No. 2011-0096.1

Sponsors

1 A MOTION approving reclaimed water strategies to move
 2 forward with engineering, economic and environmental
 3 analyses to determine if, how, when, where and by what
 4 funding mechanisms King County's existing reclaimed
 5 water program should expand.

6 WHEREAS, in December 2009, through Motion 13108, the King County council
 7 approved the planning process to determine if, how, when, where and by what funding
 8 mechanisms over the next thirty years King County's existing reclaimed water program
 9 should expand, and

10 WHEREAS, in accordance with Step 2 of the approved planning process, King
 11 County's wastewater treatment division ("WTD") collected data from October 2009
 12 through March 2010 on potential nonpotable consumptive and environmental
 13 enhancement uses in the region that reclaimed water could serve through:

- 14 1. Meetings with more than forty interested parties, including tribes, cities, water
- 15 districts, wastewater utilities, environmental groups, state agencies and watersheds;
- 16 2. Public workshops; and
- 17 3. Reviews of existing literature and studies, and

18 WHEREAS, as a result of these efforts:

19 1. Over eight hundred potential locations for nonpotable consumptive uses of
20 reclaimed water were identified;

21 2. Environmental flow restoration targets were estimated for streams in twelve
22 watershed basins in the planning area that could likely benefit from additional water
23 inputs;

24 3. The potential for using reclaimed water to aid in the management of Lake
25 Washington water levels was identified; and

26 4. The potential for using reclaimed water to support groundwater recharge in the
27 city of Auburn was identified, and

28 WHEREAS, in April 2010, in accordance with the planning process, based on the
29 data gathered in Step 2, the King County executive authorized WTD to move forward
30 into Step 3 of the planning process to develop and refine conceptual reclaimed water
31 strategies to serve the potential uses for reclaimed water identified in Step 2, and

32 WHEREAS, as part of Step 3 of the planning process, WTD developed thirteen
33 initial reclaimed water strategies to serve potential uses for reclaimed water that were
34 identified during Step 2 of the planning process, and

35 WHEREAS, WTD solicited input and feedback on the thirteen reclaimed water
36 strategies through a workshop on April 29, 2010, and through more than twenty-five
37 subsequent individual meetings that took place during May through July 2010 with
38 representatives of tribal governments, water and sewer districts, local jurisdictions, state
39 and federal agencies, water resource inventory areas and environmental groups, and

40 WHEREAS, based on this input and feedback, WTD refined the initial set of
41 conceptual reclaimed water strategies, and

42 WHEREAS, WTD gathered feedback from interested parties on the refined
43 strategies in fall 2010, and

44 WHEREAS, the executive recommends that the following three refined reclaimed
45 water strategies move forward into Step 4 of the planning process for additional analysis:

46 1. Redmond/Bear Creek Basin Brightwater Centralized Strategy. The
47 components of this reclaimed water strategy include approximately ten million gallons
48 per day ("mgd") of reclaimed water production at the Brightwater Treatment Plant, with
49 approximately fourteen additional miles of distribution pipelines, a portion directly from
50 the Brightwater Treatment Plant site, and a portion from the south segment of the
51 Brightwater reclaimed water pipeline. The strategy would be able to serve potential
52 nonpotable consumptive uses and wetland enhancement in the city of Redmond and
53 wetland enhancements in the Bear Creek basin. The strategy represents an addition to the
54 seven mgd of reclaimed water that will be available to areas in north King County, south
55 Snohomish county, and the Sammamish valley when the south segment of the
56 Brightwater reclaimed water pipeline is operational, and

57 2. Reclaimed Water Skimming or Polishing Decentralized Strategy. The
58 components of this strategy include a preassembled or packaged reclaimed water
59 treatment plant sited near and receiving water from a King County regional conveyance
60 pipeline that could provide up to five hundred thousand gallons of reclaimed water.
61 Approximately one mile of distribution pipeline would be required. The strategy would
62 be able to serve nearby nonpotable consumptive uses, and

63 3. Renton/Tukwila South Plant Centralized Strategy. The components of this
64 strategy include production of an additional two mgd of reclaimed water at South

65 Treatment Plant, with approximately eighteen miles of distribution pipelines. The
66 strategy would be able to serve nonpotable consumptive uses in the cities of Renton and
67 Tukwila and wetland enhancement in the city of Renton adjacent to the Cedar river, and

68 WHEREAS, each of the three strategies has been developed for planning
69 purposes only, represents the range of potential nonpotable consumptive and
70 environmental enhancement uses for reclaimed water identified across the region, uses
71 existing regional wastewater and reclaimed water infrastructure with incremental
72 expansions and aligns with the feedback from interested parties to start small and build
73 on successes over time, and

74 WHEREAS, the decision on which strategies to move forward would be made
75 more knowledgably with amendments to RWSP and financial policies that guide existing
76 and future programs

77 WHEREAS, additional planning-level engineering, economic and environmental
78 analyses will provide important information on the economic costs and benefits,
79 engineering opportunities and constraints, and environmental effects associated with each
80 strategies selected to move forward after revised policies are applied, and

81 WHEREAS, the results of the analyses and application of evaluation criteria that
82 were approved by the King County council through Motion 13211 will help to answer
83 many of the issues` and questions raised by interested parties and provide essential
84 information in the process to determine if, how, when, where, and by what funding
85 mechanisms the county's existing reclaimed water program should expand;

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

87 The three reclaimed water strategies that are approved to move into Step 4 of the
88 planning process for economic, engineering and environmental analyses are:
89 A. Redmond/Bear Creek Basin Brightwater Centralized Strategy,
90 B. Reclaimed Water Skimming or Polishing Decentralized Strategy, and
91 C. Renton/Tukwila South Plant Centralized Strategy. The Reclaimed Water
92 Comprehensive Plan process is approved to move to Step 8B and complete Step 10, at
93 which time the three strategies identified in this motion will be reevaluated, and a
94 decision made about which of the strategies should then go to Step 4 of the process for
95 further analysis.
96

KING COUNTY COUNCIL
KING COUNTY, WASHINGTON

Robert W. Ferguson, Chair

ATTEST:

Anne Noris, Clerk of the Council

APPROVED this ____ day of _____, _____.

Motion

Dow Constantine, County Executive

Attachments: None