



Frankfort Plant Board

***WATER SHORTAGE PLAN
FOR THE
FRANKFORT ELECTRIC & WATER
PLANT BOARD***

Approved: July 3, 2012

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SECTION 1
EXECUTIVE SUMMARY

A. General

The Division of Water (DOW) and Frankfort Plant Board have collaborated to develop an updated Water Shortage Response Plan. The intention was to have a plan that better reflects the allocations and reductions stated in an updated Water Withdrawal Permit (pending approval) that considers the impact of the Kentucky River Authority's (KRA) ability to release water from the pools upstream of the Frankfort Plant Board via their Valve Operating Plan. The Valve Operating Plan was approved in 1999 with provisions for operating valves in the upper reaches of the Kentucky River (valves at 11, 12, 13, and 14). Since that time, valves have been installed at 5, 6, and 7 but an updated Valve Operating Plan has not yet been approved by DOW and KRA. Therefore, this should be considered an interim plan until such time the update occurs. Once updated, the triggers defined herein could then be changed to reflect the abilities of the KRA to move water from pools 5, 6 and 7.

This Water Shortage Response Plan shares the definitions, structure, and general concepts of the Kentucky Water Shortage Response Plan developed by the Department for Environmental Protection, together with the availability to tailor the requirements necessary to better meet the needs of our community. The purpose of the plan is to act as a road map that guides our direction should a long term drought affect our region.

The plan may be initiated and enforced, at the discretion of the General Manager, by and through the Board's adoption of this plan and excess use

charges. The plan has provisions for critical input and support from the elected leadership of our city and county government.

The plan establishes five phases, based on severity of water supply, each with certain criteria (triggers) for implementation as well as plans for reducing customer demand.

B. Five-Phased Program (Key Elements)

1. Awareness Phase

- General Manager advises City/County Government and issues Water Shortage Awareness declaration
- Reiterating the Kentucky Division of Water's announcement with a press release and Cable 10 Public Service Announcement
- Request voluntary conservation of water
- Notify Wholesale customers
- Demand reduction goal = five percent

2. Advisory Phase

- General Manager advises City/County Government and issues Water Shortage Advisory declaration
- Press release and follow-ups on Conservation Tips and Status
- Encourage more stringent voluntary water conservation practices for Class 3 uses (voluntary odd/even program for outdoor watering)
- Demand reduction goal = Outlined on interim withdrawal permit

3. Alert Phase

- General Manager advises City/County Government and issues a Water Shortage Alert declaration
- Convene Drought Task Force

- Press Release and regular follow-ups
- Restrict certain Class 3 uses (mandatory odd/even program for outdoor watering)
- Encourage Voluntary conservation of Class 1 & Class 2 uses
- Enforce Compliance (Excess use charge for those who are non-compliant of restricted Class 3 uses)
- Establish Appeals Board
- Demand reduction goal = Outlined on interim withdrawal permit.

4. Emergency Phase

- General Manager advises City/County Government and issues a Water Shortage Emergency declaration
- Press Release and regular follow-ups
- Ban of Class 3 uses
- Restrictions on certain Class 2 uses
- Encourage Voluntary conservation of Class 1 uses
- Enforce Compliance (Excess use charge for those who are non-compliant of banned Class 3 uses and restricted Class 2 uses)
- Demand reduction goal = Outlined on interim withdrawal permit
(Effectively minimum essential usage)

5. Rationing Phase

- General Manager advises City/County Government and issues a Water Shortage Rationing declaration
- Press Release and regular follow-ups
- Each residential customer (household or dwelling unit) allotted 40 gallons per day for each resident
- Each non-residential customer shall further reduce their water usage to 50% of use levels during previous month of December

- Enforce Compliance (Excess use charge for those who are non-compliant of rationing, banned Class 3 uses, and restricted Class 2 uses)

Conservation per Water Use Class
According to Water Shortage Response Phase

Trigger	Awareness 225 cfs	Advisory 145 cfs	Alert 115 cfs	Emergency 55 cfs	Rationing
Essential Use (Class 1)	Voluntarily Conserved	Voluntarily Conserved	Voluntarily Conserved	Voluntarily Conserved	Restricted
Socially or Economically Important (Class 2)	Voluntarily Conserved	Voluntarily Conserved	Voluntarily Conserved	Restricted	Restricted
Non-Essential Use (Class 3)	Voluntarily Conserved	Voluntarily Conserved	Restricted	Banned	Banned

C. Phase Triggers (interim)

Each phase is triggered based on flow and/or volume of water supply.

Awareness – The Kentucky Division of Water announces a Water Shortage Watch **and** Flow at Lock 4 reaches 225 cfs^{1,2}

Advisory – Flow at Lock 4 reaches 145 cfs^{1,2}

Alert – Flow at Lock 4 reaches 115 cfs^{1,2}

Emergency – Flow at Lock 4 reaches 55 cfs^{1,2}

Rationing – To be determined (FPB, KRA, DOW)

¹ -For 4 consecutive days. Daily averages can be checked on the web at http://waterdata.usgs.gov/ky/nwis/uv/?site_no=03287500&PARAMeter_cd=00065,00060

² - These criteria are guidelines for assessing the need for each phase of the plan; however, the evaluation of the situation must also include year-to-date rainfall, demand, temperature, time of year, forecasted rainfall, availability of releases by the Kentucky River Authority, etc. The decision to proceed with

each phase will be made after careful consideration of all the factors, not necessarily when one of the levels of criteria has been met.

D. Plan Activation

The plan is not activated until the Kentucky Division of Water issues a Water Shortage Watch and Flow (daily average) across Lock 4 reaches 225 cfs for four consecutive days.

E. Monitoring

The filtration plant will report to the General Manager by 8:30 a.m. the previous day's consumption throughout the system and update the status of the water supply in the river. The General Manager or his/her designee will decide whether action is needed and update media. Action could include movement to the next phase or cancellation of a phase.

F. Plan Termination

The declaration of each phase shall continue until the General Manager finds that the conditions calling for the declaration no longer exist and may publicly declare the conditions no longer exist. When water shortage conditions have abated and the water supply situation is returning to normal, water conservation measures employed in each phase will be decreased in reverse order of implementation.

G. Excess Use Charges:

Any person or customer who is found to be non-compliant of the mandated water conservation measures will be subject to additional charges, as outlined herein and as amended.

H. Effective Date:

This plan shall take effect immediately upon adoption or passage. This plan will remain in effect until terminated by action of the Frankfort Plant Board.

SECTION 2
WATER SHORTAGE AWARENESS PHASE

Administrative Actions:

1. The General Manager, or his/her representative, will declare a Water Shortage Awareness.
2. Information from the Kentucky Drought Monitoring Center (<http://water.ky.gov/wa/Pages/Drought.aspx>) along with request for voluntary conservation will be announced in the press and on Cable 10 together with conservation tips and goals.
3. Customers will be asked to voluntarily conserve outdoor and indoor water usage.
4. Notify wholesale customers that a water shortage awareness has been declared and request reduction goals be met. Staff shall have begun daily recordings of wholesale customer's usage.
5. Establish Baseline Production Average which equals the average of previous four day water treatment plant production figures.
6. Reduction Goal = 5% of Baseline Production Average
7. The situation will be monitored daily and reevaluated on a weekly basis

WATER SHORTAGE AWARENESS DECLARATION



_____, *General Manager*

Due to conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, I, _____ General Manager of the Frankfort Electric and Water Plant Board, do hereby declare entering into the Awareness Phase, in accordance with our Water Shortage Plan.

At this time, there is a need to start voluntary conservation measures. Our customers can cut water use with very little difficulty or discomfort by using voluntary water conservation practices and limiting both indoor and outdoor water use.

Please consider minimizing all non-essential uses of water.

_____, General Manager

Date

SAMPLE PRESS RELEASE: AWARENESS PHASE



A WATER SHORTAGE AWARENESS PHASE HAS BEEN DECLARED

Citizens advised to reduce demand for water

Due to conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, residents of Frankfort and Franklin County and Water Districts served by the Frankfort Electric and Water Plant Board should all begin conserving water, according to _____, General Manager. The Kentucky Division of Water has announced a Water Shortage Watch and the outlook continues to call for more abnormally dry weather.

The Frankfort Electric and Water Plant Board has declared a Water Shortage Awareness. At this time, there is a need to start voluntary conservation measures. Our customers can cut water use with very little difficulty or discomfort by using voluntary water conservation practices and limiting both indoor and outdoor water use.

Please consider minimizing all non-essential uses of water.

PLEASE THINK ABOUT HOW MANY TIMES TODAY YOU USED
WATER AND THEN DECIDE HOW YOU WOULD COPE IF THAT
WATER WAS NOT AVAILABLE.

T H E R E I S N O S U B S T I T U T E F O R W A T E R

SECTION 3
WATER SHORTAGE ADVISORY PHASE

Administrative Actions:

1. The General Manager, or his/her representative, will declare a Water Shortage Advisory.
2. Information from the Kentucky Drought Monitoring Center (<http://water.ky.gov/wa/Pages/Drought.aspx>) along with request for voluntary conservation and eliminating waste of water will be announced in the press as well as on Cable 10, together with conservation tips and goals.
3. In an effort to minimize certain Class 3 uses, requests will be made for voluntary participation in the odd/even outdoor watering program. This program requests that the customers limit their outdoor watering (including car washing, driveway washing, filling swimming pools, use of and filling fountains and watering of lawns, bushes and trees) to between 6:00 a.m. and 10:00 a.m. or 6:00 p.m. and 10:00 p.m. on designated days. The designated days are Tuesday, Thursday and Saturday for addresses ending in an odd number, while those ending in an even number will be limited to Wednesday, Friday and Sunday. No water use for said purposes is requested on Monday.
4. Continue to encourage voluntary conservation of Class 1 and Class 2 uses
5. Leak detection and repair will be considered top priority for maintenance personnel.
6. System flushing will be discontinued, except as necessary for maintaining water quality
7. Notify wholesale customers that a water shortage advisory has been declared and request reduction goals be met.
8. The Mayor and County Judge Executives will be called upon to help implement voluntary water conservation measures.
9. Reduction Goal = Outlined on interim withdrawal permit
10. The situation will be monitored daily and reevaluated on a weekly basis

WATER SHORTAGE ADVISORY DECLARATION



_____, *General Manager*

Due to worsening conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, I, _____, General Manager of the Frankfort Electric and Water Plant Board, do hereby declare entering into the Advisory Phase, in accordance with our Water Shortage Plan.

At this time, there is a need to increase voluntary conservation measures. We ask that you participate in the odd/even outdoor watering program. This program requests you limit your outdoor watering (including car washing, driveway washing, filling swimming pools, use of and filling fountains and watering of lawns, bushes and trees) to between 6:00 a.m. and 10:00 a.m. or 6:00 p.m. and 10:00 p.m. on designated days. The designated days are Tuesday, Thursday and Saturday for addresses ending in an odd number, while those ending in an even number will be limited to Wednesday, Friday and Sunday. No water use for said purposes is requested on Monday.

In addition I ask that you voluntarily minimize all non-essential uses of water.

_____, General Manager

Date

SAMPLE PRESS RELEASE: ADVISORY PHASE



A WATER SHORTAGE ADVISORY PHASE HAS BEEN DECLARED

Citizens advised to reduce demand for water

Due to worsening conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, residents of Frankfort and Franklin County and Water Districts served by the Frankfort Electric and Water Plant Board should increase voluntary conservation measures, according to _____, General Manager. The Kentucky Division of Water has announced a Water Shortage Watch and the outlook continues to call for more abnormally dry weather.

The Frankfort Electric and Water Plant Board has declared a Water Shortage Advisory. At this time, there is a need to increase voluntary conservation measures. We ask that you participate in the odd/even outdoor watering program. This program requests you limit your outdoor watering (including car washing, driveway washing, filling swimming pools, use of and filling fountains and watering of lawns, bushes and trees) to between 6:00 a.m. and 10:00 a.m. or 6:00 p.m. and 10:00 p.m. on designated days. The designated days are Tuesday, Thursday and Saturday for addresses ending in an odd number, while those ending in an even number will be limited to Wednesday, Friday and Sunday. No water use for said purposes is requested on Monday.

In addition we ask that you voluntarily minimize all non-essential uses of water.

PLEASE THINK ABOUT HOW MANY TIMES TODAY YOU USED
WATER AND THEN DECIDE HOW YOU WOULD COPE IF THAT
WATER WAS NOT AVAILABLE.

T H E R E I S N O S U B S T I T U T E F O R W A T E R

SECTION 4
WATER SHORTAGE ALERT PHASE

Administrative Actions:

1. The General Manager, or his/her representative, will declare a Water Shortage Alert.
2. The General Manager will convene the Drought Task Force to help promote and implement the goals and objectives of the Alert and subsequent water shortage response phases outlined herein. The Drought Task Force will consist of, but not be limited to, the following or their designees:
 - General Manager and Staff
 - Mayor of Frankfort
 - Frankfort EMS Director
 - Frankfort Fire Chief
 - Frankfort Police Chief
 - Frankfort Sewer Board Manager
 - Frankfort Parks and Recreation Director
 - Franklin County Fire Chief
 - Franklin County Sheriff
 - Franklin County Judge Executive
 - Franklin County Health Department Director
 - Shelby County Judge Executive
 - Anderson County Judge Executive
 - Woodford County Judge Executive
 - Scott County Judge Executive
 - Mayor of Georgetown
 - State Government Representative
 - Division of Water Representative

- Kentucky River Authority Representative
3. Information from the Kentucky Drought Monitoring Center (<http://water.ky.gov/wa/Pages/Drought.aspx>) along with notification of mandatory conservation efforts will be announced in the press as well as on Cable 10, together with additional conservation tips and goals.
 4. In an effort to require certain restrictions of Class 3 uses, notification will be made for mandatory participation in the odd/even outdoor watering program. This program requires that the customers limit their outdoor watering (including car washing, driveway washing, filling swimming pools, use of and filling fountains and watering of lawns, bushes and trees) to between 6:00 a.m. and 10:00 a.m. on designated days. The designated days are Tuesday, Thursday and Saturday for addresses ending in an odd number, while those ending in an even number will be limited to Wednesday, Friday and Sunday. No water use for said purposes is permitted on Monday.
 5. Continue to encourage voluntary conservation of Class 1 and Class 2 uses
 6. The Mayor and County Judge Executives of counties served by the Frankfort Plant Board will be asked to implement the same restrictions and publicly declare a Water Shortage Alert.
 7. Notify wholesale customers that a water shortage alert has been declared and require reduction goals be met.
 8. Notify large demand customers individually to investigate potential for increased conservation techniques.
 9. Enforce compliance through excess use charges and/or disconnection for non-compliance of mandatory restrictions based upon an increasing schedule. General Manager will request help from city and county police departments for monitoring and reporting.
 10. Convene Appeals Committee to consider appeals from charged customers or request exemptions from restrictions.
 11. Reduction Goal = Outlined on interim withdrawal permit
 12. The situation will be monitored daily and reevaluated on a weekly basis

WATER SHORTAGE ALERT DECLARATION



_____, *General Manager*

Due to worsening conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, I, _____, General Manager of the Frankfort Electric and Water Plant Board, do hereby declare entering into the Alert Phase, in accordance with our Water Shortage Plan.

At this time, there is a need to require mandatory conservation measures. We require that you participate in the odd/even outdoor watering program. This program requires you limit your outdoor watering (including car washing, driveway washing, filling swimming pools, use of and filling fountains and watering of lawns, bushes and trees) to between 6:00 a.m. and 10:00 a.m. only on designated days. The designated days are Tuesday, Thursday and Saturday for addresses ending in an odd number, while those ending in an even number will be limited to Wednesday, Friday and Sunday. No water use for said purposes is permitted on Monday.

Customers found to be non-compliant of mandatory restrictions will be subject to excess use charges and/or disconnection of service based upon escalating charges in accordance with our Water Shortage Plan.

In addition I ask that you voluntarily minimize all other non-essential uses of water.

_____, General Manager

Date

SAMPLE PRESS RELEASE: ALERT PHASE



A WATER SHORTAGE ALERT PHASE HAS BEEN DECLARED

Citizens required to reduce demand for water

Due to worsening conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, residents of Frankfort and Franklin County and Water Districts served by the Frankfort Electric and Water Plant Board are required to follow mandatory conservation measures, according to _____, General Manager. The Kentucky Division of Water has announced a Water Shortage Watch and the outlook continues to call for more abnormally dry weather.

At this time, there is a need to require mandatory conservation measures. We require that you participate in the odd/even outdoor watering program. This program requires you limit your outdoor watering (including car washing, driveway washing, filling swimming pools, use of and filling fountains and watering of lawns, bushes and trees) to between 6:00 a.m. and 10:00 a.m. only on designated days. The designated days are Tuesday, Thursday and Saturday for addresses ending in an odd number, while those ending in an even number will be limited to Wednesday, Friday and Sunday. No water use for said purposes is permitted on Monday.

Customers found to be non-compliant of mandatory restrictions will be subject to excess use charges and/or disconnection of service based upon escalating charges in accordance with our Water Shortage Plan.

In addition we ask that you voluntarily minimize all other non-essential uses of water.

PLEASE THINK ABOUT HOW MANY TIMES TODAY YOU USED
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WATER WAS NOT AVAILABLE.

T H E R E I S N O S U B S T I T U T E F O R W A T E R

SECTION 5
WATER SHORTAGE EMERGENCY PHASE

Administrative Actions:

1. The General Manager, or his/her representative, will declare a Water Shortage Emergency.
2. Information from the Kentucky Drought Monitoring Center (<http://water.ky.gov/wa/Pages/Drought.aspx>) along with notification of mandatory conservation efforts will be announced in the press, Cable 10, local radio stations, local television, etc together with conservation tips and goals.
3. Requirements will be made such that all Class 3 uses of water will be banned entirely.
4. Requirements will be made for mandatory restrictions of certain Class 2 uses. The General Manager, after careful consideration of the system's and community's needs, unique conditions, and necessary reductions, shall determine the specific Class 2 targets required for mandatory restrictions.
5. Continue to encourage voluntary conservation of Class 1 and remaining Class 2 uses
6. The Mayor and County Judge Executives of counties served by the Frankfort Plant Board will be asked to implement the same restrictions and publicly declare a Water Shortage Emergency.
7. Notify wholesale customers that a water shortage emergency has been declared and require reduction goals be met.
8. Notify large demand customers individually to investigate potential for additional conservation techniques.
9. Enforce compliance through excess use charges and/or disconnection for non-compliance of mandatory restrictions based upon an increasing schedule. General Manager will request help from city and county police departments for monitoring and reporting.

10. Reduction Goal = Outlined on interim withdrawal permit, or as necessary to sustain availability of supply with regard to demand requirements.
11. The situation will be monitored daily and reevaluated on a weekly basis

WATER SHORTAGE EMERGENCY DECLARATION



_____, *General Manager*

Due to even worse conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, I _____, General Manager of the Frankfort Electric and Water Plant Board, do hereby declare entering into the Emergency Phase, in accordance with our Water Shortage Plan.

At this time, all non-essential (Class 3) uses of water are hereby banned. Additionally, _____ will be restricted as well until further notice. In addition I ask that you voluntarily minimize all remaining Class 2 and Class 1 uses of water.

Customers found to be non-compliant of mandatory restrictions will be subject to excess use charges and/or disconnection of service based upon escalating charges in accordance with our Water Shortage Plan.

_____, General Manager

Date

SAMPLE PRESS RELEASE: ALERT PHASE



**A WATER SHORTAGE EMERGENCY PHASE HAS BEEN
DECLARED**

Citizens required to reduce demand for water

Due to even worse conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, residents of Frankfort and Franklin County and Water Districts served by the Frankfort Electric and Water Plant Board are required to follow mandatory conservation measures, according to _____, General Manager. The Kentucky Division of Water has announced a Water Shortage Watch and the outlook continues to call for more abnormally dry weather.

At this time, all non-essential (Class 3) uses of water are hereby banned. Additionally, _____ will be restricted as well until further notice. In addition we ask that you voluntarily minimize all remaining Class 2 and Class 1 uses of water.

Customers found to be non-compliant of mandatory restrictions will be subject to excess use charges and/or disconnection of service based upon escalating charges in accordance with our Water Shortage Plan.

PLEASE THINK ABOUT HOW MANY TIMES TODAY YOU USED
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T H E R E I S N O S U B S T I T U T E F O R W A T E R

SECTION 6
WATER SHORTAGE RATIONING PHASE

Administrative Actions:

1. Whenever the General Manager of the Frankfort Electric and Water Plant Board finds that the Frankfort Electric and Water Plant Board is unable to meet the expected needs of its customers and that such a condition will exist for some period of time in the future, the General Manager may publicly declare the necessity for RATIONING. Information from the Kentucky Drought Monitoring Center (<http://water.ky.gov/wa/Pages/Drought.aspx>) along with rationing requirements will be announced in all available means of communication.
2. Each residential customer (household or dwelling unit) shall be allotted 40 gallons per day for each permanent resident. Households with only one permanent resident will be allotted 55 gallons per day.
3. Each non-residential customer shall reduce their water usage to an amount that equals 50% of the usage level during previous month of December.
4. Hospitals and health care facilities shall comply with all restrictions imposed on residential and non residential customers as may be applicable to each institution, to the extent compliance will not endanger the health of patients or residents.
5. The Mayor and County Judge Executives of counties served by the Frankfort Plant Board will be asked to implement the same restrictions and publicly declare a Water Shortage Rationing.
6. Enforce compliance through excess use charges and/or disconnection for use over their allotment or non-compliance of mandatory restrictions based upon an increasing schedule. General Manager will request help from city and county police departments for monitoring and reporting.
7. Reduction Goal = Outlined on interim withdrawal permit, or as necessary to sustain availability of supply with regard to minimal demand requirements.
8. The situation will be monitored daily and reevaluated on a weekly basis

WATER SHORTAGE RATIONING DECLARATION



_____, *General Manager*

Due to even worse conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, I _____, General Manager of the Frankfort Electric and Water Plant Board, do hereby declare entering into the Rationing Phase, in accordance with our Water Shortage Plan.

At this time, water will be rationed in an effort to protect the viability of our water supply, which is clearly inadequate to meet our needs. Each residential customer (household or dwelling unit) shall be allotted 40 gallons per day for each permanent resident. Households with only one permanent resident will be allotted 55 gallons per day. Each non-residential customer shall reduce their water usage to an amount that equals 50% of the usage level during previous month of December. Hospitals and health care facilities shall comply with all restrictions imposed on residential and non residential customers as may be applicable to each institution, to the extent compliance will not endanger the health of patients or residents.

Customers found to be using more than their allotment or non-compliant of mandatory restrictions will be subject to excess use charges and/or disconnection of service based upon escalating charges in accordance with our Water Shortage Plan.

_____, General Manager

Date

SAMPLE PRESS RELEASE: RATIONING PHASE



A WATER SHORTAGE RATIONING PHASE HAS BEEN DECLARED

Citizens required to ration their water

Due to even worse conditions in the Kentucky River, together with recent abnormally dry weather, and little indication of significant rainfall in the foreseeable future, residents of Frankfort and Franklin County and Water Districts served by the Frankfort Electric and Water Plant Board are required to follow mandatory conservation measures, according to _____, General Manager. The Kentucky Division of Water has announced a Water Shortage Watch and the outlook continues to call for more abnormally dry weather.

At this time, water will be rationed in an effort to protect the viability of our water supply, which is clearly inadequate to meet our needs. Each residential customer (household or dwelling unit) shall be allotted 40 gallons per day for each permanent resident. Households with only one permanent resident will be allotted 55 gallons per day. Each non-residential customer shall reduce their water usage to an amount that equals 50% of the usage level during previous month of December. Hospitals and health care facilities shall comply with all restrictions imposed on residential and non residential customers as may be applicable to each institution, to the extent compliance will not endanger the health of patients or residents.

Customers found to be using more than their allotment or non-compliant of mandatory restrictions will be subject to excess use charges and/or disconnection of service based upon escalating charges in accordance with our Water Shortage Plan.

PLEASE THINK ABOUT HOW MANY TIMES TODAY YOU USED
WATER AND THEN DECIDE HOW YOU WOULD COPE IF THAT
WATER WAS NOT AVAILABLE.

T H E R E I S N O S U B S T I T U T E F O R W A T E R

SECTION 7
DEFINITIONS

(a) **“Baseline Production Average (BPA)”** as the term is used in this plan, shall mean an empirical number, expressed in million gallons per day, equaling the average of the previous four day water treatment plant production figures.

(b) **“Customer”** as the term is used in this plan, shall mean any person using water for any purpose from the Frankfort Electric and Water Plant Board’s (FPB) water distribution system and for which either a regular charge is made or, in the case of bulk sales, a cash charge is made at the site of delivery.

(c) **“Other Sources of Water”** as the term is used in this plan, shall mean water that has not been introduced by the FPB into its water distribution system.

(d) **“Raw Water Supplies”** as the term is used in this plan, shall mean all water potentially available to persons served by the FPB.

(e) **“Treated Water”** as the term is used in this plan, shall mean water that has been introduced by the FPB into its water distribution system, including water offered for sale. Uses of treated water are classified as follows:

“Essential Water Uses (Class 1)”

The following uses of water, listed by site or user type, are essential:

Domestic:

- Water necessary to sustain human life and the lives of domestic pets, and to maintain minimum standards of hygiene and sanitation.

Health Care Facilities:

- Patient care and rehabilitation.

Water Hauling:

- Sales for domestic use where not reasonably available elsewhere.

Public Use:

- Firefighting,
- Health and public protection purposes, as specifically approved by health officials and the municipal governing body.

“Socially or Economically Important Uses (Class 2)”

The following uses of water, listed by site or user type, are socially or economically important:

Domestic:

- Personal, in-house water use including kitchen, bathroom, and laundry.

Water Hauling:

- Non-domestic, when other sources are not reasonably available elsewhere.

Commercial and Civic Use:

- Commercial car and truck washes,
- Laundromats,
- Restaurants, clubs, and eating places,
- Schools, churches, motels/hotels, and similar commercial establishments.

Outdoor Non-Commercial Watering:

- Minimal watering of vegetable gardens,
- Minimal watering of trees where necessary for their survival.

Outdoor Commercial or Public Watering (Using conservation methods when other sources of water are not available or feasible to use:

- Agricultural irrigation for the production of food and fiber or the maintenance of livestock,

- Watering by arboretums and public gardens of national, state, regional, or community significance, where necessary to preserve specimens,
- Watering by commercial nurseries where necessary to maintain stock,
- Watering where necessary to establish or maintain revegetation or landscape plantings required pursuant to law or regulation,
- Watering of woody plants where necessary to preserve them,
- Minimal watering of golf course greens.

Recreational:

- Operation of municipal swimming pools and residential pools that serve more than 25 dwelling units.

Air Conditioning:

- Refilling for startup at the beginning of the cooling season,
- Makeup of water during the cooling season,
- Refilling specifically approved by health officials and the municipal governing body, where the system has been drained for health protection or repair services

“Non-Essential Uses (Class 3)”

Any waste of water, as defined herein, is non-essential. The following uses of water, listed by site or user type, are also non-essential

Public Use

- Use of fire hydrants (excluding Class I and Class II uses), including use of sprinkler caps, testing fire apparatus and fire department drills,

- Flushing of sewers and hydrants except as needed to ensure public health and safety as approved by health officials and the municipal governing body. Commercial and Civic Use

- Serving water in restaurants, clubs, or eating places, except by customer request,
- Failure to repair a controllable leak,
- Increasing water levels in scenic and recreational ponds and lakes, except as necessary to support fish and wildlife.

Ornamental Purposes

- Fountains, reflecting pools and artificial waterfalls.

Outdoor Non-Commercial Watering

- Use of water for dirt control or compaction,
- Watering of annual or non-woody plants other than vegetable gardens,
- Watering of lawns, parks, golf course fairways, playing fields and other recreational areas,
- Washing sidewalks, walkways, driveways, parking lots, tennis courts or other hard-surface areas,
- Washing down buildings or structures for purposes other than immediate fire protection,
- Flushing gutters, or permitting water to run or accumulate in any gutter or street.
-

Outdoor Commercial or Public Watering

- Expanding nursery facilities, placing new irrigated agricultural land in production, or planting of landscaping except when required by a site design review process,
- Use of water for dirt control or compaction,

- Watering of lawns, parks, golf course fairways, playing fields, and other recreational areas,
- Washing sidewalks, walkways, driveways, parking lots, tennis courts or other hard-surfaced areas,
- Washing down buildings or structures for purposes other than immediate fire protection,
- Flushing gutters or permitting water to run or accumulate in any gutter or street.

Recreational uses except for those specified as Class 2

Non-commercial washing of motor and other vehicles.

Air conditioning (see also Class 2 purposes)

- Refilling cooling towers after draining.

(f) **“Waste of Water”** as the term is used in this plan, includes, but is not limited to (1) permitting water to escape down a gutter, ditch, or other surface drain, or (2) failure to repair a controllable leak of water due to defective plumbing.

(g) **Water Shortage Response Phases:**

“Awareness” is the term used in this plan when the Kentucky Division of Water issues a Water Shortage Watch and conditions exist which indicate the potential for water supply shortages.

“Advisory” as the term is used in this plan, shall mean that conditions exist which indicates the potential for serious water supply shortages.

“Alert” as the term is used in this plan, shall mean that raw water supplies are consistently below seasonal averages, and if they continue to decline, may not be adequate to meet normal needs.

“Emergency” as the term is used in this plan, shall mean that water supplies are below the level necessary to meet normal needs and that serious shortages exists in the area.

“Rationing” as the term used in this plan, shall mean that water supplies are severely below the level necessary to meet normal needs and severe shortages exists in the area, i.e., supply is clearly inadequate to meet projected demand.

SECTION 8
ENFORCEMENT

Any customer who is found to be non-compliant with the provisions of this plan, who fails to carry out the duties and responsibilities imposed by this plan, or who impedes or interferes with any action undertaken or ordered pursuant to this plan shall be subject to the following excess use charges.

1. Notification: If the General Manager, or his/her designee, learns of any non-compliance with any water use restriction(s) imposed pursuant to this plan,
 - a. First Occurrence - a written notice shall be affixed to the property where the excess use occurred. Additionally, a certified letter will be mailed to the customer of record as soon as possible, but not to exceed 48 hours. Said notice shall describe the non-compliant activity, excess use charge, and order the situation be corrected, cured, or abated immediately or within 48 hours. The notice will inform the customer of his or her right to appeal by requesting a hearing before the utility's designee. If a hearing is requested, he or she shall be given full opportunity to be heard before termination. The utility shall make findings of fact and decide whether service shall continue or terminate. If a hearing is not requested and the condition is not corrected within 48 hours of the notice, then the General Manager may terminate water service to the customer. Excess Use Charge for the first occurrence shall become payable at next billing cycle.
 - b. Subsequent Occurrence(s) – the same notice and hearing procedures shall apply except that the excess use charges increase per the following schedule.

2. Excess Use Charges: The additional charges each time a customer is found non-compliant with this plan are defined below.

Excess Charge Schedule

	Awareness	Advisory	Alert	Emergency	Rationing
1 st Occurrence	N/A	Notification	\$50*	\$200*	\$500*
2 nd Occurrence	N/A	Notification	\$75*	\$250*	\$600*
3 rd Occurrence	N/A	Notification	\$100*	\$300*	\$700*

* Plus Disconnect and Reconnection Fee if applicable

Monies collected from excess use charges are not considered rates for the production of water revenue. Those monies will be placed in a special fund, to be administered by General Manager, and will be used for, but not limited to, meeting the expenses of enforcement or restrictions under this Plan, producing educational materials relating to water conservation, promoting information related to the Plan, or augmenting water supplies.

3. Right to petition before the Appeals Committee: Any customer subject to excess use charges and or disconnection will be notified by the General Manager as outlined above. The notice shall advise the customer of his/her right to protest the charges to the Appeals Committee within 48 hours after receipt of the notice. All decisions of the Water Shortage Appeals Panel shall be final. If no hearing is requested and the condition described in the notice has not been corrected, then the customer's water service is subject to disconnection.

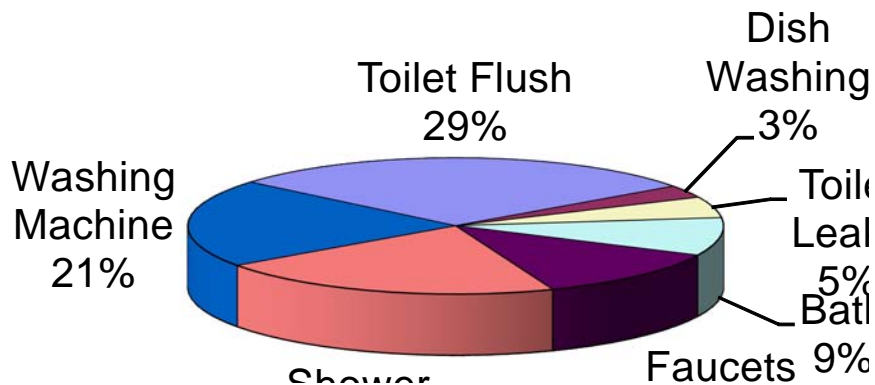
SECTION 9

CONSERVATION TIPS

Conserving Water When Needed

The average person uses approximately 85 gallons of water each day. The following chart indicates the estimated amount and usage of that water.

Daily Water Consumption



The following are things you can do to conserve water.

Bathroom

- Toilet leaks account for 5% of a person's daily water use. In your toilet tank, place a few drops of food coloring. Do not flush. If you notice color in the bowl, you have a leak that needs immediate repair.
- Do not use the toilet as a wastebasket or ashtray. Five to seven gallons of water are wasted every time you flush a cigarette butt or small bit of trash.
- To save ten or more gallons of water a day, place plastic bottles filled with sand or pebbles in your toilet tank away from operating mechanisms.

- Limit showers.
- Install flow restrictors or water-saving shower heads.
- Take baths instead of showers.
- Do not leave water running while brushing your teeth.
- While shaving, rinse your razor in a few inches of warm water in the sink, instead of running water.
- Check all faucets and pipes for leaks. The smallest drip can waste 20 or more gallons of water a day.

Kitchen and Laundry

- Use your washing machine and dishwasher only for full loads.
- Do not leave water running when washing dishes by hand.
- When cleaning vegetables, never let the water run. Fill sink with water.
- A bottle of drinking water should be kept in the refrigerator. Water is wasted when you cool tap water for drinking.

Outside

- Water early in the morning.
- Plant drought-resistant trees and plants.
- Mulch around trees and plants.
- When cleaning driveways, use a broom and not a hose.
- While washing your car, use the hose only to rinse.
- Check for leaks in hoses.

Leaks

Leaks are more costly than people believe. They can amount to hundreds, even thousands of dollars a year. The following shows approximately how many gallons of water are used per day when leaks are present.

Faucets

Slow Drip	36 gallons per day
Steady Drip	180 gallons per day
¼ Open	684 gallons per day
Full Open	3600 gallons per day

Toilets

Seeping Flushvalve	30 gallons per day
Leaking Slightly	250 gallons per day
Constantly Running	6000 gallons per day

Toilet tanks are responsible for 90% of residential leaks. Toilet leaks are easy to detect. First, check to see if the float arm is working properly. Second, make sure the plunger ball and overflow pipes are working properly. Last, listen for the water flow to shut off.

Look on the following page for a Leak Detection List that you can use to help maintain maximum water control.

Leak Detection List

Indoors

Toilets:

- Basement*
- Main Floor
- Bedroom Floors

Faucets:

- Sinks in Basement
- Kitchen Sink
- Bathroom Sinks on all Floors
- Sinks on Bedroom Floors
- Attic Sink

Other Indoor Appliances and Fixtures

Basement/Garage:

- Hot Water Tank*
- Boiler
- Water Softener
- Washing Machine
- Humidifier

Main Floor:

- Refrigerator (including ice-maker)
- Dishwasher
- Bathtubs and Showers

Outdoors

- Water Faucets
- Automatic Lawn Sprinkling Systems
- Swimming Pool
- Service Line