

# PRELIMINARY ANALYSIS

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## Weather Normalization For 30 Year NOAA vs. Updated 30 Year Period

### Kansas City International Airport

30 Year Normal Periods	1976-2005	Difference
NOAA		
1971-2000	Annual HDD	5203
5273		-70
		-1.3%

Normalized Volumes	Change	Difference
Kansas City Residential	using Updated 30 Years	
Estimated		
from Gray		
Direct		
303,697,648	(3,261,130)	-1.07%

Normalized Volumes	Change	Difference
St. Joseph Residential	using Updated 30 Years	
Estimated		
from Gray		
Direct		
23,627,011	(269,781)	-1.14%

### Springfield Regional Airport

30 Year Periods	1976-2005	Difference
NOAA		
1971-2000	Annual HDD	4601
4585		16
		0.35%

Normalized Volumes	Change	Difference
Joplin Residential	using Updated 30 Years	
Estimated		
from Gray		
Direct		
47,999,429	133,952	0.28%

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FEB 07 2007  
Missouri Public Service Commission

## Weather Normalization Comparing 30 Year NOAA vs. 10 Years

### Kansas City International Airport

30 Year	10 Year	Difference
NOAA		
1971-2000	1996-2005	
Annual HDD	Annual HDD	
5273	4959	-314
		-6.0%

Normalized Volumes	Change	Difference
Kansas City Residential	using Updated 30 Years	
Estimated		
from Gray		
Direct		
303,697,648	(14,628,497)	-4.8%

Normalized Volumes	Change	Difference
St. Joseph Residential	using Updated 30 Years	
Estimated		
from Gray		
Direct		
23,627,011	(1,210,161)	-5.12%

### Springfield Regional Airport

30 Year	10 Year	Difference
NOAA		
1971-2000	1996-2005	
Annual HDD	Annual HDD	
4585	4503	-82
		-1.8%

Normalized Volumes	Change	Difference
Joplin Residential	using Updated 30 Years	
Estimated		
from Gray		
Direct		
47,999,429	(686,506)	-1.4%

Staff Exhibit No. 110-A  
Case No(s) 62-2006-0402  
Date 1-17-07 Rptr KF