



January 12, 2007

Mr. Greg Davidson  
Executive Clerk to the Governor  
1100 San Jacinto  
Austin, Texas 78701

Mr. John O'Brien  
Deputy Director  
Legislative Budget Board (LBB)  
Robert E. Johnson Bldg. – 5<sup>th</sup> Floor  
1501 North Congress  
Austin, Texas 78701

RE: FY 2007- 1st Quarter Update

The following is updated information related to requirements requested through Governor's Executive Order RP-49 for the Texas Tech University Health Sciences Center –

Fleet Fuel Management Plan:

TTUHSC continues to emphasize energy conservation awareness with strategies such as regular preventative maintenance, upgrading fleet to more efficient type vehicles and trip efficiencies to gain economies. Actual vehicular mileage for this quarter was reduced by 18% as compared to the 4<sup>th</sup> quarter of FY 2006 and by 7% as compared to the 1<sup>st</sup> quarter of FY 2006.

Energy Conservation Plan:

TTUHSC continues to promote energy conservation measures and strategies and seek new ideas to reduce consumption and improve building system efficiencies, to include utilizing energy efficient designs, provide equipment upgrades and commissioning efforts. Attached are overall energy consumption (utilities) reports for FY 2006 & this quarter for our facilities, Exhibit 1. Energy consumption (energy equivalent units) was reduced for this quarter by 11% as compared to 4<sup>th</sup> Quarter of FY 2006 and by 7% as compared to the 1<sup>st</sup> Quarter of FY 2006.

Your consideration of this update and information is appreciated.

Sincerely,

George G. Morales, P.E.  
Assistant Vice-President for Physical Plant & Support Services

xc : Mr. Elmo Cavin  
Executive Vice-President of Finance & Administration



## Exhibit 1

### 2006 ACTUAL ENERGY CONSUMPTION

<b><u>ENERGY</u></b>	1st Quarter <u>FY 2006</u>	2nd Quarter <u>FY 2006</u>	3rd Quarter <u>FY 2006</u>	4th Quarter <u>FY 2006</u>	Total <u>FY 2006</u>
ELECTRICITY, kwh	9,393,292	8,833,109	9,074,251	10,354,326	37,654,978
NATURAL GAS, ccf	64,004	119,741	76,174	38,306	298,225
STEAM, mlb	21,660	31,858	19,564	12,404	85,486
CHILLED WATER, tn-hr	<u>2,603,714</u>	<u>1,784,850</u>	<u>2,496,139</u>	<u>3,742,855</u>	<u>10,627,558</u>
THERMAL ENERGY*, mbtu	55,568,748	57,194,734	51,924,366	58,843,649	223,531,496
ENERGY EQUIVALENT, mbtu	<u>94,207,665</u>	<u>99,651,510</u>	<u>90,725,440</u>	<u>98,120,820</u>	<u>382,705,435</u>

\*Natural Gas is used to produce the Thermal Energies of Steam and Chilled Water

### 2007 ACTUAL ENERGY CONSUMPTION

<b><u>ENERGY</u></b>	1st Quarter <u>FY 2007</u>	2nd Quarter <u>FY 2007</u>	3rd Quarter <u>FY 2007</u>	4th Quarter <u>FY 2007</u>	Total <u>FY 2007</u>
ELECTRICITY, kwh	9,038,188				9,038,188
NATURAL GAS, ccf	66,267				66,267
STEAM, mlb	19,787				19,787
CHILLED WATER, tn-hr	<u>2,309,839</u>				<u>2,309,839</u>
THERMAL ENERGY*, mbtu	49,939,352	0	0	0	49,939,352
ENERGY EQUIVALENT, mbtu	<u>87,598,916</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>87,598,916</u>

\*Natural Gas is used to produce the Thermal Energies of Steam and Chilled Water

## Exhibit 2

### TTUHSC'S 2006 ACTUAL ENERGY CONSUMPTION

<b><u>ENERGY</u></b>	<u>1st Quarter FY 2006</u>	<u>2nd Quarter FY 2006</u>	<u>3rd Quarter FY 2006</u>	<u>4th Quarter FY 2006</u>	<u>Total FY 2006</u>
ELECTRICITY, mbtu	32,059,306	30,147,401	30,970,419	35,339,315	128,516,440
NATURAL GAS, mbtu	6,579,611	12,309,375	7,830,656	3,937,857	30,657,498
THERMAL ENERGY*, mbtu	<u>55,568,748</u>	<u>57,194,734</u>	<u>51,924,366</u>	<u>58,843,649</u>	<u>223,531,496</u>
ENERGY EQUIVALENT, mbtu	<u>94,207,665</u>	<u>99,651,510</u>	<u>90,725,440</u>	<u>98,120,820</u>	<u>382,705,435</u>

\*Natural Gas is used to produce the Thermal Energies of Steam and Chilled Water

### TTUHSC'S 2007 ACTUAL ENERGY CONSUMPTION

<b><u>ENERGY</u></b>	<u>1st Quarter FY 2007</u>	<u>2nd Quarter FY 2007</u>	<u>3rd Quarter FY 2007</u>	<u>4th Quarter FY 2007</u>	<u>Total FY 2007</u>
ELECTRICITY, mbtu	30,847,336				30,847,336
NATURAL GAS, mbtu	6,812,229				6,812,229
THERMAL ENERGY*, mbtu	<u>49,939,352</u>				<u>49,939,352</u>
ENERGY EQUIVALENT, mbtu	<u>87,598,916</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>87,598,916</u>

\*Natural Gas is used to produce the Thermal Energies of Steam and Chilled Water

### TTUHSC'S 2007 ACTUAL OVER/(UNDER) 2006 ACTUAL

<b><u>ENERGY</u></b>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	<u>Total</u>
ELECTRICITY, mbtu	-3.9%				-3.9%
NATURAL GAS, mbtu	3.4%				3.4%
THERMAL ENERGY*, mbtu	<u>-11.3%</u>				<u>-11.3%</u>
ENERGY EQUIVALENT, mbtu	<u>-7.5%</u>				<u>-7.5%</u>

\*Natural Gas is used to produce the Thermal Energies of Steam and Chilled Water