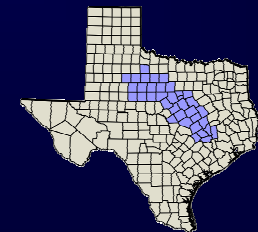


Agenda Item 8.2
Consider Request to TWDB to Increase
Water Demands in Robertson,
McLennan and Johnson Counties

August 11-12, 2004

BRAZOS G
WATER PLANNING GROUP

HDR



Background

- ✓ **September 2003 – TWDB approved water demand projections for Brazos G**

- ✓ **Additional information since approval necessitates modification of specific water demand projections for:**
 - **Robertson County mining**
 - **McLennan County steam electric**
 - **Johnson County steam electric & manufacturing**

- ✓ **TWDB staff in discussion – may bring “clean-up” set of demand revisions to TWDB for approval**

Robertson County Mining Demands

- ✓ **June 2004 – HDR/BRA contacted by Walnut Creek Mining Company regarding Robertson County mining demands**
 - **Current TWDB estimates:**
 - ✓ **2000: 91 acft**
 - ✓ **2060: 76 acft**
 - **Recent pumpage by Walnut Creek Mine**
 - ✓ **1999: 8,000 acft**
 - ✓ **2000: 7,905 acft**
 - ✓ **2001: 6,939 acft**
 - ✓ **2002: 7,302 acft**
 - ✓ **2003: 7,333 acft**
 - ✓ **All Years: 250 – 300 acft for dust control, etc.**

Robertson County Mining Demands (2)

- ✓ **Maximum pumpage to-date: 8,300 acft/yr**
- ✓ **Walnut Creek Mine projects 10,300 acft/yr pumpage starting in 2005**
- ✓ **Reserves expected to last through 2030**
- ✓ **HDR recommendation:**
 - “Request TWDB to increase mining demands for Robertson County to 10,300 acft/yr through Year 2030”

McLennan County Steam Electric Demands

- ✓ **LS Power planning new power plant**
- ✓ **Not included when TWDB compiled steam electric demands**
- ✓ **LS Power has contracted with City of Waco for 15 MGD (16,800 acft/yr) annual supply**
 - **Reuse water from WMARSS**
 - **Backed up with Lake Waco supply**
- ✓ **Actual projected usage likely less than 15 MGD, but exact numbers not provided yet**
- ✓ **HDR recommendation:**
 - “**Request TWDB to increase steam electric demands for McLennan County by a maximum of 16,800 acft/yr for Years 2010 – 2060, pending final determination of projected use to be provided by LS Power or City of Waco**”

Johnson County Manufacturing/Steam Electric Demands

City of Cleburne Sales to Ponderosa Pine Energy (acft/yr)

Year	Potable	Reuse	Total
2000	460	598	1,058
2001	532	653	1,185
2002	456	540	996
2003	555	739	1,294

- ✓ **Reuse water not included when TWDB compiled demands – 459 acft potable included in Johnson County manufacturing**

Johnson County Manufacturing/Steam Electric Demands (2)

- ✓ **July 28, 2004 – City of Cleburne letter**
 - **Manufacturing about 350 acft less than actual**
 - **Maintain manufacturing at current demands**
 - **Increase steam electric demands to 1,200 acft/yr**

- ✓ **HDR recommendation:**
 - **“Request TWDB to increase steam electric demands for Johnson County to 1,200 acft/yr for Years 2010 – 2060 with no change to manufacturing demands”**

Summary

HDR recommendation:

- Request TWDB to approve the following demands:
 - ✓ Robertson County mining = 10,300 acft/yr through 2030
 - ✓ Increase McLennan County steam electric by 16,800 acft/yr maximum through 2060 with final value determined later
 - ✓ Johnson County steam electric = 1,200 acft/yr through 2060
 - ✓ Johnson County manufacturing remain unchanged