



**RCA
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 4
AGENDA DATE: Thu 04/28/2005
PAGE: 1 of 2**

SUBJECT: Authorize negotiation and execution of change order # 4 to the contract with LAUGHLIN-THYSSEN, LTD., Houston, TX, for completion of the Colorado River bank stabilization, a component of the raw water intake system construction project at the Sand Hill Energy Center, in an amount not to exceed \$ 58,301, for a total contract amount not to exceed \$ 2,458,549.56

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2004-2005 Approved Capital Budget for Austin Energy.

FISCAL NOTE: A fiscal note is attached.

REQUESTING Austin Energy
DEPARTMENT:

**DIRECTOR'S
AUTHORIZATION:** Juan Garza

FOR MORE INFORMATION CONTACT: Chris Kirksey, Sr. Vice President, Power Production / 322-6283; Angelo Polykrates, Project Manager / 322-6230

PRIOR COUNCIL ACTION: 8/28/03 - Council approved construction contract with Laughlin-Thyssen, LTD.

BOARD AND COMMISSION ACTION: Recommended by the Electric Utility Commission.

PURCHASING: N/A

MBE / WBE: 25.75% MBE and 4.81% WBE subcontractor participation to date.

Change order #4 will cover costs associated with completing the Colorado Riverbank stabilization. The design and construction of the riverbank stabilization by the Colorado River is part of the overall construction project designed to supply the Sand Hill Energy Center with river water. The riverbank stabilization is necessary to shore up Falwell Lane, which runs adjacent to the river and is the only means of transportation into Sand Hill, as well as the City of Austin's South Austin Regional Wastewater Plant.

On August 28, 2003, Council approved a contract with Laughlin-Thyssen, LTD. for construction of the Sand Hill Energy Center raw water intake system to be used for cooling purposes. Raw water is pumped from the Colorado River to the plant's water treatment system, then to the cooling tower condenser to create the steam needed for power generation.

The original bid documents specified the riverbank stabilization project to be a "soil nail design" type of construction. The contractor, Laughlin-Thyssen, solicited bids from a number of contractors that specialize in this type of work, but the general response was that the soil nail type of construction was not suited for the conditions, and the contractors refused to bid on the soil nail design for the riverbank stabilization. GEO Solutions was solicited and proposed a "geo-grid" type construction design, and was willing to provide a Professional Engineering stamp for their design and guarantee its effectiveness. The costs associated with change order #4 are a result of a the change in bank stabilization design from the soil nail type to the geo-grid design, and for erosion abatement based on construction of the intake system to date.



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There have been three change orders issued to the original contract with Laughlin-Thyssen for the raw water intake system. Change order #1 dated December 1, 2004 for \$7,749.56 was for excavation of river bottom shale and placement of additional concrete at the intake structure. Change order #2 dated April 4, 2005 for \$9,771 was for connection of a 24" water pipe from the river to an existing 18" water pipe under the plant. Change order #3 dated April 4, 2005 for \$27,728 was for partial payment of the new design and construction of the riverbank stabilization. The three change orders to date amount to \$ 45,248.56.

The following table summarizes the dates and amounts of the contract changes to date:

<u>Contract Changes</u>	<u>Amount</u>
Original RCA 8/28/2003	\$2,355,000.00
Change Order #1, 12/1/2004	\$7,749.56
Change Order #2, 4/4/2005	\$9,771.00
Change Order #3, 4/4/2005	<u>\$27,728.00</u>
Current contract total:	\$2,400,248.56
Proposed Change Order #4, Current RCA	<u>\$58,301.00</u>
Revised total not-to-exceed contract amount:	\$2,458,549.56

Subcontractor participation stated in the original approved compliance plan was 5.23% African American, 21.66% Hispanic, 1.99% Native/Asian American, and 5.03% WBE. Participation for this change order is:

<u>NON M/WBE PRIME</u>	<u>\$ 58,301.00</u>	<u>100%</u>
Laughlin-Thyssen, Ltd. Houston, TX	\$ 58,301.00	100%

Overall participation for the entire project, including this change order is 5.01% African American, 20.74% Hispanic, 0% Native/Asian American, 4.81% WBE and 0.00% Non-M/WBE subcontractor participation.

CIP BUDGET
Fiscal Note

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

4/28/2005
Resolution
Austin Energy

SUBJECT: Authorize negotiation and execution of change order # 4 to the contract with LAUGHLIN-THYSSEN, INC., Houston, TX for completion of the Colorado River bank stabilization, a component of the raw water intake system construction project at the Sand Hill Energy Center, in an amount not to exceed \$ 58,301, for a total contract amount not to exceed \$ 2,458,549.56

FINANCIAL INFORMATION:

Parent Project Name: **Power Production**
Project Authorization: 2004-2005 Approved Capital Budget

Current Appropriation	\$ 336,324,850.00	
Unencumbered Balance		\$ 10,198,442.42
Amount of This Action		<u>(58,301.00)</u>
Remaining Balance		<u>\$ 10,140,141.42</u>

Use of Remaining Balance:

Remaining funds will be used for design, construction, equipment, and material acquisition to complete the project.

Use of Any Remaining Funds After Completion of Project:

No remaining funds anticipated at this time.

Director, Planning & Budget

Signature



Date:

4/7/05