

# FOR BOARD ACTION

Agenda Item # 6.c.

Meeting Date:

9/26/06

**SUBJECT:**

General Construction Silver Lake Plant Modification Project Contract 03-23-E  
Change Order 006

**PREPARED BY:**

Wally Schlink, Director of Power Resources

ITEM DESCRIPTION:

Background: At the regularly scheduled March 25, 2003 Utility Board meeting, a contract with Himec Inc. was approved for the modification of the Silver Lake Plant to provide steam to Prospect Utility Plant from the existing facilities. The contract was signed in August 2003 and substantial completion was scheduled for May, 2004.

Due to the delay in the start in construction, increases in the cost of procurement of materials and changes in the scope of work there have been various change orders to the contract requested and approved. The contract history is in the following table.

Action	Date Submitted	Cost	Adjusted Contract Total
Original Contract	March 2003	\$2,687,000	
Change Order 001	September 2004	\$399,420	\$3,086,420
Change Order 002	July 2005	\$65,845	\$3,152,265
Change Order 003	October 2005	\$114,305	\$3,266,570
Change Order 004	January 2006	\$123,148	\$3,389,718
Change Order 005	February 2006	\$162,000	\$3,551,718
Change Order 006	September 2006	\$37,896	\$3,589,614

RPU Change Order 006 is being presented for additions to the scope and field adjustments that are required. The total being requested in Change Order 006 is \$37,896

These changes are for the portion of the project that will be recovered through the "steam rate" and will be incorporated into the final rate charged to the end customer for the commodity.

Attached is the recommendation from Stanley Consultants and the support documentation which specifically defines the changes and related costs.

  
General Manager

  
Date

# FOR BOARD ACTION

Agenda Item # 6.c.

Meeting Date:

9/26/06

## UTILITY BOARD ACTION REQUESTED:

Staff recommends that the Utility Board approve RPU Change Order 006 to the contract with Himec Inc. in the amount of \$37,896 for the General Construction Silver Lake Plant Modifications Project. This brings the total amount of the contract to \$3,427,614

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General Manager

\_\_\_\_\_  
Date



September 15, 2006

Mr. Tom Williamson  
Rochester Public Utilities  
4000 East River Road NE  
Rochester, MN 55906-2813

Dear Mr. Williamson:

Subject: Silver Lake Modification Project  
Change Order Packet 2-008

The following change order proposals have been received by Stanley Consultants:

COP - 054	ITC 070	Additional Instrument Terminations	\$ 2,608.88
COP - 054	ITC 071	OWS02FT Power Supply	\$ 612.80
COP - 054	ITC 072	Softener Flow Transmitter Power Supply	\$ 1,348.39
COP - 054	ITC 073	Desuperheater Pump Breaker Modifications	\$ 404.51
COP - 054	ITC 074	Circuit Breaker for UPS	\$ 115.19
COP - 054	ITC 029	Condensate Polisher Pump Power	\$ 2,629.57
COP - 054	ITC 033	Emergency Eye Wash Station	\$ 1,510.43
COP - 054	ITC 075	120 VAC Power to Silica Analyzer	\$ 289.15
COP - 054	ITC 076	Power to Condensate Polisher Analyzers	\$ 2,858.64
COP - 054		HiMec Mark-up and Bonds	\$ 877.44
		Total Amount of Change Orders	\$ 13,255.00

After review of the attached proposal, it is the recommendation of Stanley Consultants that this proposal be accepted as an addition to the contract documents and HiMec Mechanical's contract be increased an additional \$13,255.00.

Sincerely,

Stanley Consultants, Inc.

This document was sent electronically

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**Mr. Tom Williamson**  
**March 25, 2005**  
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**Gary L. Phillips**  
**Resident Project Representative**

**Attachments(s): HiMec Change Order Proposal 054**

**cc: Mr. Mark Browning, Mayo**  
**Mr. Tim Jungers, HiMec**  
**Mr. Mark Henthorn, SCI**



# Stanley Consultants co.

A Stanley Group Company  
Engineering, Environmental and Construction Services - Worldwide

September 15, 2006

Mr. Tom Williamson  
Rochester Public Utilities  
4000 East River Road NE  
Rochester, MN 55906-2813

Dear Mr. Williamson:

Subject: Silver Lake Modification Project  
Change Order Packet 2-009

The following change order proposals have been received by Stanley Consultants:

COP - 055	ITC-077	Additional Insulation Work	\$ 4,840.00
COP - 056	ITC 078	Modify DA Platform	\$ 1,200.00
COP - 061	ITC 079	Install Sample Pot/Cooler	\$ 7,390.00
COP - 058	ITC-080	Delete Fiber Optic to Franklin Station Yard	\$ ( 3,884.00)
COP - 059	ITC-067	Add Steam Trap in SLP	\$ 15,095.00
		<b>Total Amount of Change Orders</b>	<b>\$ 24,641.00</b>

After review of the attached proposal, it is the recommendation of Stanley Consultants that this proposal be accepted as an addition to the contract documents and HiMec Mechanical's contract be increased an additional \$24,641.00.

Sincerely,

Stanley Consultants, Inc.

Gary L. Phillips  
Resident Project Representative

Attachments(s): HiMec Change Order Proposal 055  
HiMec Change Order Proposal 056  
HiMec Change Order Proposal 058

This document was sent electronically

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**Mr. Tom Williamson**  
**March 25, 2005**  
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**HiMec Change Order Proposal 061**  
**HiMec Change Order Proposal 067**

**cc: Mr. Mark Browning, Mayo**  
**Mr. Tim Jungers, HiMec**  
**Mr. Mark Henthorn, SCI**

Rochester Public Utilities  
Silver Lake Modification Project  
ITC Recap Sheet  
As of September 18, 2006

2-001	Insulate Wrigley Installed Pipe and Valves	\$ 31,980				
2-002	Revise Dirty Condensate Pump Impeller And Motor	\$ -				
2-003	Revise Clean Condensate Control Valves	\$ 14,710		\$ 9,715		
2-004	Additional Nova Spec Instruments	\$ 7,230				
2-005	Incorporate Public Works Comments on WTb	\$ -				
2-006	Environmental Appeal Denied. Reprice Work	\$ 345,500				
2-007	Office Spaces Furnished by RPU	\$ -				
2-008	Relief Valves - Discharge Routing					
2-009	Relief Valves - Drip Pan Elbows	\$ 4,845				
2-010	Instrument Air Tubing Material and Thickness	\$ 5,070				
2-011	Vent Pipe Support			\$ 13,060		
2-012	DA Structural Steel Support Modification	\$ 18,340				
2-013	Pipe Supports					
2-014	88" HPS H1U Pipe Support				\$ 980	
2-015	Drip Legs	\$ 1,285				
2-016	Supplemental Steel Relocation	\$ 665				
2-017	Nozzle Tube Extension on 1, 3, and 4 Flow Tubes	\$ 19,510				
2-018	Relocate Valve O4MS02FV to Turbine Floor	\$ 2,340				
2-019	#4 Valve Assembly Relocation	\$ 6,295				
2-020	Liseqa Hanger Issue - First Set Resolution					
2-021	Liseqa Hanger Issue - Second Set Resolution					
2-022	Liseqa Hanger Issue - Third Set Resolution					
2-023	Steam Nozzle Longer on Unit 1	\$ 3,395				
2-024	Reorient Three Step Stairs on DWG M216			\$ 1,065		
2-025	Pipe Spool Piece at 03ES01PCV at Unit Three					
2-026	Steel Beam Change			\$ 28,910		
2-027	WTB HPS Reroute to Miss Pre-engineered BLD Steel					
2-028	Housekeeping Pad for Delta V Panel					\$ 2,630
2-029	Chemical System Electrical Services			\$ 10,505		
2-030	HPS Bypass line around OES01FCV			\$ 2,970		
2-031	Catwalk Around Pipe Hangers					
2-032	Delete Valve OCN01FV at Unit 1 and DA Extract Stm					\$ 1,510
2-033	Tempered Water for EWS in WTB			\$ 6,905		
2-034	Make Up Water Modification			\$ 23,170		
2-035	PCV001 Control Valve				Rejected	
2-036	Relocate VFD's On RO Skid	\$ 2,765				
2-037	Tie In to Boiler Three	\$ 1,335				
2-038	Flex Connectors on TW Pumps			\$ 3,350		
2-039	By Pass on EDI Skid			\$ 865		
2-040	Export Condensate DA Overflow Protection				\$ 2,155	
2-041	Control Wiring for WTB			\$ 5,500		
2-042	OSI Wiring for WTB			\$ 1,390		
2-043	Control Valve OCN01PVC			\$ 3,395		
2-044	Pressure Tap 3MS20PT			\$ 3,485		
2-045	Void					
2-046	Steam Trap off MS in WTB				\$ 7,925	
2-047	Filling Tees on Export Steam Line				\$ 1,985	
2-048	Amine System to Condensate Polisher				\$ 3,400	
2-049	Seal Replacement on Cond. Transfer Pump (RPU)				\$ 895	
2-050	Pressure Regulator at Condensate Polisher Skid					
2-051	Relief Valves OES01PSV and OES02PSV (RPU)				\$ 7,290	
2-052	Relocate OCN01FT				\$ 7,925	
2-053	Trap Station @ OES01PCV				\$ 470	
2-054	Additional Flow Meter @ Condensate Polisher				\$ 6,650	
2-055	Inspection Vent				Declined	
2-056	Treated Water Modification				\$ 735	
2-057	By Pass Vent on DA				\$ 12,850	
2-058	RPU Water Meter Installation				\$ 1,480	
2-059	Adjust Export Steam DA Relief Valve				\$ 590	
2-060	Install 4" Strainer in Water Line @ WTP				\$ 2,915	
2-061	LPR to DA Modification in WTB				\$ 1,740	
2-062	Chemical Injection and Sample Port EX Stm DA				\$ 41,215	
2-063	Additional Insulation Scope				\$ 4,850	
2-064	Auto Recirculation Valves				\$ 17,098	
2-065	Non Return Valves					
2-066	ERV & PSVs					\$ 15,095
2-067	Add Steam Trap in SLP					







## RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve Change Order No. 006 to the General Construction Silver Lake Plant Modifications Project Contract 03-23-E between Rochester Public Utilities and Himec Inc. in the amount of \$37,896.00. This brings the total amount of the contract to \$3,589,614.00.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 26<sup>th</sup> day of September 2006.

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President

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Secretary