

Pasadena Star-News

Power plant costs to soar

Labor clause adds millions

By Gary Scott
Staff Writer

Friday, March 21, 2003

PASADENA -- The city will pay an additional \$2.3 million for using union labor on the Glenarm Power Plant project, according to an official from the company likely to get the contract.

Nathen Howard, vice president of Sermatech Power Solutions, says this is how much more his company will charge the city to install two gas-turbine generators under a contract provision that requires the use of union workers.

The City Council will be asked Monday to approve the contract.

"The city got a \$2.3 million lesson in how to payoff union bosses," said Eric Christen, president of the Coalition for Fair Employment in Construction, a group that supports nonunion companies' rights. "I've never seen a City Council that has so brazenly done the bidding of union bosses."

Sacramento-based Sermatech originally turned in the lowest bid on the project, saying it could do the work with its own nonunion workers for \$14.9 million. In February, the council voted to reject all bids after it received several letters from union groups threatening strikes or other work stoppages on the project.

The second-lowest bidder, The Industrial Company, also filed a letter complaining that Sermatech's bid was incomplete.

The council decided to amend the contract, changing several provisions contested by Industrial and adding a Project Labor Agreement.

The PLA requires that the company getting the contract use union labor exclusively and honor local labor agreements.

In a second round of bidding Sermatech again turned in the lowest bid, offering to install the generators for \$17.2 million. Howard said the additional cost is "100 percent" due to the PLA, and that the city actually removed several work items from the contract.

The City Council's Municipal Services Committee recommended Wednesday that the council approve the contract with Sermatech.

"All we did was buy off on the PLA for \$2.3 million," said Councilman Steve Haderlein, who serves on the committee with council members Sid Tyler and Joyce Streator. Streator was absent. Haderlein and Tyler voted against rejecting the first round of bids.

"As lukewarm as I can make a motion, we have to move this forward," Haderlein added. He expressed frustration after being told that the project was on a tight deadline.

"We would have performed the project at our previous price," said Howard in an interview Thursday. "We would have been happier to do that."

The generators must be operational by the end of the year so that two smaller gas turbines at the Glenarm plant can be retrofitted to meet South Coast Air Quality Management District regulations, said Joe Awad, Pasadena Water and Power project manager.

"The delay caused by the whole PLA is causing us to have to move faster," said Haderlein.

Phyllis Currie, PWP's general manager, said even more expensive delays could have resulted from a strike or a lawsuit.

<http://www.pasadenastamews.com/cda/article/print/O, 1674,206% 7E22097% 7E1261141 ,00...>
3/24/2003

"What we bought in this regard was a better-defined project and, to some extent, we have bought a greater likelihood of labor stability,' Tyler said. He had been the chief critic of the council's decision to reject the bids.

Councilman Victor Gordo, speaking Tuesday, defended his vote to rebid the project, saying staff determined Sermatech's original bid was "not responsible.'

Currie said Wednesday that she would have recommended the contract had the city not received objections from the union representatives.

Gordo also disagreed with Christen's characterization that the council majority was acting on labor's behalf, saying the decision was about ensuring "quality workmanship' in building the turbines.

"It is a union issue only to the extent that the staff and the council want to ensure that whoever works on this project are the most qualified and responsible workers that we can possibly get,' Gordo said. "If they are union workers, then so be it.'

If the City Council approves the contract Monday, the generators could become operational in early October, Awad said. The city had planned for the units to be running before summer, when the demand for energy is at its highest.

The two gas-turbine generators will each produce 46-megawatts of power at peak production. They are more efficient and less polluting than the two steam-driven generators they will replace.

The city has decommissioned the steam generators after SCAOMD rejected plans to retrofit them. A third steam-powered generator, known as B-3, continues to produce power for the city.

-- Gary Scott can be reached at (626) 578-6300, Ext. 4458, or by e-mail at gary.scott@sgvn.com.



OFFICE OF THE CITY ATTORNEY

January 30, 2007

Mr. Kevin D. Korenthal
Director of Government Affairs
Associated Builders & Contractors
Los Angeles/Ventura Chapter
15854 Strathern Street
Van Nuys, CA 91406

Re: Public Records Act Request - Pasadena Power Plant Project

Dear Mr. Korenthal:

Attached please find documents responsive to your January 29, 2007 Public Records Act request.

This office has been informed that approximately two months elapsed between rejection of the bid on January 27, 2003 and award of the contract on March 31, 2003.

Please do not hesitate to contact the undersigned should you have any questions on this response.

Thank you for your patience in this matter.

Very truly yours,

MICHELE BEAL BAGNERIS
City Attorney

for Jeanette Villalobos
Ann Sherwood Rider
Assistant City Attorney

ASR/jv

Enclosures

	Spec LD-02-6 Prior bids	Spec LD-03-2 New Bids
Sermatech	\$ 14,947,520	\$ 17,231,697
TIC	\$ 15,377,000	did not bid
ARB	\$ 19,258,898	\$ 18,050,194
University Marelich	\$ 30,000,000	did not bid
Kiewit- Paciifc	did not bid	\$ 18,118,200



OFFICE OF THE CITY MANAGER

March 31, 2003

TO: City Council

FROM: City Manager

SUBJECT: Authorization to enter into contract with Turbine Technology Services Corporation dba Sermatech Power Solutions for Construction and Installation of Gas Turbine Units 3 and 4 at Glenarm in an amount not to exceed \$19,850,000

On March 24, 2003, the attached agenda report was pulled from the City Council agenda to allow time to investigate challenges from ARB Inc., another bidder on the project. Staff recommended award of the contract for Construction and Installation of Gas Turbine Units 3 and 4 at Glenarm in an amount **not to exceed \$19,850,000 to Turbine Technology Services Corporation dba Sermatech Power Solutions;** the staff recommendation was approved by the Municipal Services Committee on March 19, 2003.

Following investigation, staff has found that the proposed challenges are without merit. In addition to approving the recommendations listed in the attached Agenda Report dated March 24, 2003, it is recommended that City Council:

Adopt a resolution authorizing the City Manager to enter into a contract with Turbine Technology Services Corporation dba Sermatech Power Solutions for Construction and Installation of Gas Turbine Units 3 and 4 at the Glenarm power plant and making findings related thereto.

Adoption of a resolution is necessary to fully respond to potential litigation as threatened in the letter of challenge from ARB Inc.

An analysis of the challenges from ARB Inc. follows:

On March 20, 2003, attorneys for ARB, Inc., one of the bidders for the Contract, submitted a letter to the City Clerk protesting the recommended Contract award to Sermatech. The protest letter alleges that Sermatech does not meet the requisite experience criteria, that Sermatech's bid is non-responsive, and therefore ARB should be awarded the contract. The letter goes on to say that if the City awards the contract to Sermatech, "ARB will be forced to initiate a legal challenge."

ARB raised three points in support of their claim that Sermatech's bid is non-responsive:

1. Sermatech does not meet the experience requirements;
2. Sermatech failed to include required unit pricing; and,
3. Sermatech did not comply with the Subcontractor's Listing Law.

Staff has determined these points are without merit, and that the Contract should be awarded to Sermatech based on its responsive low bid for the Contract. Additionally, staff recommends that the Contract should be awarded to Sermatech on the independent basis that the award is in the public's best interest on the basis of emergency and/or impracticality.

Sermatech Has Requisite Experience:

Specification LD-03-2 requires that "bidder must have completed satisfactorily the installation of at least one LM-6000 and must provide references verifying such installation." Staff has verified that Turbine Technology Services Corporation, through a wholly-owned subsidiary TTS Construction, successfully and satisfactorily constructed a LM-6000 gas turbine generator for the Sacramento Municipal Utility District ("SMUD"). Turbine Technology Services Corporation subsequently dissolved TTS Construction as an entity and absorbed those employees that performed the work for SMUD.

Turbine Technology Services Corporation, dba Sermatech Power Solutions ("Sermatech"), is the Contract bidder and will perform the work for Pasadena. Sermatech has indicated they will use the same project manager and supervisory staff that performed the SMUD project work. Sermatech therefore has the requisite experience to perform this work.

The prior specification for this work required that "bidder *or its principals* must have completed satisfactorily the installation of at least one LM-6000 and must provide references verifying such installation." The phrase "or its principals" was dropped to reduce ambiguities because the definition of "bidder" is in the specification. Dropping this phrase was not meant to exclude bidders due to corporate name changes, reorganizations, or buyouts.

Sermatech Did Not Fail to Bid Required Unit Pricing:

ARB claims that Sermatech's bid is non-responsive because Sermatech failed to provide unit pricing for "STORM SEWER PIPE (CONCRETE BOX CULVERTS)". This work scope was eliminated from the Specifications, and Council authorized the storm sewer pipe work scope to be completed by the demolition vendor. Unit pricing is not required for work outside of the Specification and Sermatech's "omission" of this unit pricing actually shows their attention to detail in the updated Specifications.

There is no "Missing" Subcontractor Listing:

ARB asserts that Sermatech's bid fails to list subcontractors for significant portions of the work, including paving-concrete, rebar, pile drilling, and SCR installation, and is therefore non-responsive. Sermatech's bid includes appropriate forms for all subcontractors, including a subcontractor responsible for "site work, underground, foundations, and trenching utilities" that will perform all of the items noted by ARB except the SCR installation.

On the Bid Summary table, under the column labeled "Subcontractor's Cost", Sermatech entered the amount \$963,958.33 for the SCR System. The subcontractors name was not called for in this table. In fact, Sermatech itself will perform the SCR System work for the price of \$963,958.33, and the contract so provides. Sermatech's bid is therefore responsive.

The Contract Should Be Awarded to Sermatech Without Further Delay:

Sermatech is the responsive low bidder. Staff has reviewed ARB's protest and determined it is without merit. As described in the March 24, 2003 Agenda Report, Pasadena is in an emergency situation. Each passing day exposes Pasadena's residents and businesses to additional costs and risks of blackouts, as over 67% of Pasadena's local generation (Gas Turbine Units 1, 2, 3 and 4) will not be available to serve local electric demand unless the Contract work is completed in a timely manner.

GT-3 and GT-4 Construction Contract Award
March 31, 2003
Page 4

Respectfully submitted,



CYNTHIA J. KURTZ
City Manager



Agenda Report

March 24, 2003

To: City Council
Through Municipal Services Committee

From: City Manager

Subject: Authorization to enter into contract with Turbine Technology Services Corporation dba Sermatech Power Solutions for Construction and Installation of Gas Turbine Units 3 and 4 at Glenarm in an amount not to exceed \$19,850,000

RECOMMENDATION:

It is recommended that the City Council:

- (1) Accept the bid submitted by Turbine Technology Services Corporation dba Sermatech Power Solutions (Sermatech) for the construction and installation of Gas Turbine Units 3 and 4 at the Glenarm power plant site;
- (2) Reject all other bids;
- (3) Authorize the City Manager to enter into a contract in an amount not to exceed \$19,850,000;
- (4) Award this contract also on the basis of emergency and/or impracticality in the public's best interest; and
- (5) Amend the Fiscal Year 2003 CIP to appropriate an additional \$8,888,676 to the Light and Power Fund Capital Improvement Program under Budget #3166 for the "Local Generation Repowering Plan" from the unappropriated Light and Power Fund funds.

BACKGROUND:

GT-3 and GT-4 are Key Elements of the Strategic Resource Plan

The City Council unanimously adopted the Pasadena Water and Power (PWP) Power System Strategic Resource Plan (Plan) on November 19, 2001. A key

element of the Plan is the replacement of existing steam generators Broadway 1 and Broadway 2 (B-1 and B-2) with two new 45MW combustion turbines. These new units will be located on the Glenarm property and designated as Gas Turbine Unit 3 and Unit 4 (GT-3 and GT-4). With their higher efficiency, superior operational flexibility, and 98% reduction in NOx emission rates, GT-3 and GT-4 will help maintain PWP's low electric rates and reduce air quality impacts.

GT-3 and GT-4 Project History and Status

Due to the short timeline available to replace B-1 and B-2, the GT-3 and GT-4 repowering project (Project) has been developed on a fast track basis. PWP immediately hired a project manager, contracted with CH2MHill for owner's engineer (OE) services, and contracted with Parsons Engineering for assistance in preparing operating permit application documents. After less than three months of preliminary engineering and feasibility studies, the City Council authorized a contract with General Electric on February 11, 2002 to provide detailed engineering design, construction specifications, and deliver major equipment as needed to support a July 1, 2003 commercial operation date. Staff secured a Conditional Use Permit (including the retrofit of GT-1 and GT-2) on July 31, 2002 and the City contracted with Southwest Industries on September 26, 2002 to begin site demolition and remediation services required prior to construction. The SCAQMD approved PWP's Project application and issued required permits on November 26, 2002 clearing the way to start Project construction. On December 16, 2002 the City Council authorized additional expenses for the demolition contractor to further excavate and remediate contaminated soil that needed clearing prior to construction.

As of December 19, 2002 the majority of major equipment was ready to ship. Since it is the construction contractor's responsibility to receive shipments, this equipment is being stored at PWP's expense until the construction contractor is mobilized.

Throughout the Project, staff has worked diligently to maintain schedule and has taken many measures to reduce project delays. However, on February 3, 2003 staff recommended the City Council reject all bids for Project construction to provide time for a rebid that could reduce risk of work stoppages as a result of labor disruption or contract challenges. Revised specifications were issued to eliminate ambiguities identified in the first specification, include provisions to promote positive labor relations, eliminate work stoppages, and include an early project completion incentive of \$5,000 per day per unit (as well as a complementary late completion penalty of \$5,000 per day per unit).

On March 10, 2003 the City Council authorized additional expenses for the demolition contractor to remove additional structures, further excavate and remediate contaminated soil, and construct the storm drain bypass (on an

emergency/impracticality basis) that must be completed prior to construction. This work was authorized to reduce risks that could cause further construction delays.

Construction Specification and Bidding Summary

Construction Specification LD-03-2 was issued on February 13, 2003 along with all available construction drawings, related data, and general terms and conditions. The specifications included the following scope of work:

- Soil excavation and foundation work
- Receive and install purchased equipment (from GE)
- Furnish and install duct banks and piping systems
- Pull, terminate and test cabling
- Furnish, install and calibrate instrumentations
- Furnish and install paving and fencing
- Furnish and perform start up support services
- Provide quality control, safety and project management

The specifications also required the bidder to execute a Project Labor Agreement (PLA) with the Building and Trades Council. Although the City is not a party to PLA, it protects the City's interest by including provisions for common work rules, prevent work stoppages, and timely dispute resolution.

Although seventeen prospective bidders and subcontractors attended the mandatory job walk, only three bids were received by the March 10, 2003 deadline, as summarized below:

Bidder	Bid Amount
Sermatech Power Solutions	\$17,231,697
ARB, Inc.	\$18,050,194
Keiwick	\$18,118,200

Staff has determined that Sermatech is the lowest responsive bidder. Staff recommends authorizing a contract with Sermatech for an amount not to exceed \$19,850,000, which includes a base amount of \$17,231,697 and a contingency of \$2,618,303 (approximately fifteen percent). The relatively large contingency amount is appropriate due to remaining uncertainties and urgent need for project completion without further delay. The uncertainties consist of potential soil contamination and remediation, and potential substitution of material and equipment and scope of work changes due to design modifications resulting from permit conditions or quality control. Additional authorization to pay early completion incentives of \$5,000 per day per unit and other change orders to mitigate schedule delays due to weather or other unforeseen conditions are also

included in the contingency amount.

The construction schedule is highly compressed, and it is essential and prudent that sufficient funds be authorized to ensure expedient resolution of any obstacles that may arise. Bidders have indicated this project has an accelerated schedule that will require significant overtime and must start as soon as possible to meet the 128-day construction schedule.

Emergency Basis for Completion of GT-3 and GT-4

In addition to the competitive bidding basis for a contract award, staff recommends that the City Council also award this contract on the basis of emergency/impracticality independently of the competitive bidding process because public interest would not be served by another round of rebidding. Further construction delays could result in power shortages, increased costs for spot market energy and gas purchases, and potential permit violations that could have long-range impacts on local generation.

Due to their inability to meet stringent emissions requirements imposed by the South Coast Air Quality Management District (SCAQMD) in May 2001, B-1 and B-2 lost their operating permits effective January 1, 2003 and have subsequently been electrically disconnected from the Power System. GT-3 and GT-4 were scheduled to be operational by summer 2003 to replace this lost local generation capacity that is essential to reliably meet PWP's peak loads and provide an important hedge against power market price spikes. Due to project delays, PWP will rely on Broadway 3 and GT-1 and GT-2 to meet peak loads this summer, and any contingency affecting these remaining units could result in local power shortages and increased costs.

Even though the summer peak was missed, GT-3 and GT-4 will substantially lower fuel costs this fall and winter due their flexibility and efficiency. Keeping Broadway 3 on line to meet occasional peak fall demands will cost about \$20,000-35,000 per day more than using the new GTs for this purpose.

Furthermore, the SCAQMD requires that existing gas turbine units GT-1 and GT-2 must be retrofit with state of the art emissions controls equipment by January 1, 2004 in order to maintain their operating permits. To be completed on time, the retrofit construction work must be started by late summer. It is therefore critical to complete the construction of GT-3 and GT-4 as soon as feasible in order to replace the lost capacity of B-1 and B-2 and facilitate the construction necessary for GT-1 and GT-2 retrofit.

Project Budget, Financing, and CIP Amendment

Based on a \$74 million cost estimate provided by RW Beck in the Strategic Plan, which was further estimated by CH2Mhill (PWP's owner's engineer) in January 2002 to range from \$62.23 to \$ 88.60 million, PWP proposed a \$74.8 million dollar budget for this Project and the City Council appropriated this amount to Capital Improvement Project (CIP) Budget Number 3166, "Local Generation Repowering Plan", to fund GT-3 and GT-4. An additional \$7 million was appropriated to CIP 3166 to fund the retrofit of GT-1 and GT-2, bringing the total appropriation for the combined repowering and retrofit projects to \$81,781,324.

Council has approved contract expenditures and related amendments of 62,180,000 to date. This contract award, including contingency amounts, for the sum of \$19,850,000 when added to these expenditures will bring the total for GT 3 and GT 4 project to \$82,030,000 and exceed the appropriated dollars for GT 3 and GT 4 of \$74,781,324 as shown below. Staff is requesting that additional appropriation be made to allow the execution of this contract and to cover expenses authorized by Council of \$1,140,000 for additional demolition and soil remediation already completed under the demolition contract.

Installation of GT 3 and GT 4		
prior expenditures- Council approved	62,180,000.00	
This Contract Award (Sermatech)	<u>19,850,000.00</u>	
	82,030,000.00	
Current Appropriation GT 3 and GT 4	<u>74,781,324.00</u>	74,781,324
Difference	7,248,676.00	
Unforeseen expenditures- GT 3 and GT 4		
Soil contamination and additional demolition	<u>1,140,000.00</u>	
Additional appropriation requested		<u>8,388,676</u>
GT 3 and GT 4 new appropriation		83,170,000

Since GT 1 and GT 2 retrofit is included in the same CIP as the installation of GT 3 and GT 4, staff is also recommending to increase the appropriation for this retrofit project by \$500,000. Bids for the retrofit have been received and were more than anticipated. The recommendation of award for the retrofit contract will be submitted at a later date. The additional appropriation will cover the labor charges for in house work.

Retrofit of GT 1 and GT 2		
Future contract award (including contingency)	7,000,000.00	
Current appropriation		7,000,000
additional appropriation requested		<u>500,000</u>
GT 1 and GT 2 new appropriation		7,500,000

To cover the increased Project costs for GT 1 and GT 2, and GT 3 and GT 4, an additional \$8,888,676 appropriation is being requested at this time for CIP 3166, bringing the total appropriation for the local generation repowering plant to \$90,670,676 as shown below.

Local Generation Project Budget and CIP Authorizations

	Authorized Budget	Additional Appropriation	Updated Budget
GT-3 and GT-4	\$ 74,781,324	\$8,388,676	\$ 83,170,000
GT-1 and GT-2	<u>7,000,000</u>	<u>500,000</u>	<u>7,500,000</u>
Total CIP 3166	81,781,324	8,888,676	90,670,000

The initial \$74 million Project budget for GT-3 and GT-4 was funded by a bond financing completed in August 2002. Funds are available in the Light and Power Fund to cover the additional \$8,888,676. It is staff's intention to issue bonds at a later date to reimburse the Light and Power Fund.

The \$8.888 million Project overrun will be depreciated over the 20 year life of the Project at approximately \$444,000 per year, resulting in a relatively small energy rate impact of less than 0.04¢/kWh.

Analysis performed for the November 2001 Strategic Resource Plan indicated that the local generation repowering plan (including the GT-3 and GT-4 project and GT-1 and GT-2 retrofit project) resulting in savings (net present value over 20 years) of approximately \$151 million (versus market procurement), compared to an estimated capital cost of \$81 million for these projects. Even with the current combined budget of \$90.67 million in capital costs, these projects will still result in annual savings that yield lower overall rates for PWP customers.

Pending Council Authorizations

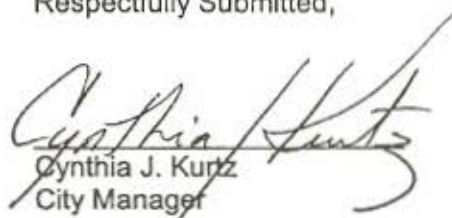
Although this is the last major contract award associated with the GT-3 and GT-4 Project, PWP anticipates that it may return to Council in the coming months to request approval of contracts extensions with current vendors for additional services needed for the Project, including:

- Extension of the contract with GE for additional costs related to the construction delay
- Contract for the GT-1 and GT-2 retrofit project
- Soil excavation and remediation if additional contamination is discovered during construction
- Independent construction and/or performance testing

FISCAL IMPACT:

Funding is available from the Light and Power Fund Capital Improvement Program under Budget #3166 for the "Local Generation Repowering Plan" and the unappropriated Light and Power Fund fund balance. This CIP has been funded with proceeds from a bond issuance that closed in August 2002. This contract award represents the last major expense authorization required with the GT-3 and GT-4 construction project. It is currently projected that this project will exceed the original \$74.8 million budget estimate by up to \$8.388 million (11%) depending upon the final costs for construction, soil remediation, and other unforeseen conditions that may arise. The \$8.388 million project increase in GT-3 and GT-4 project, along with the increase of \$0.5 million on GT-1 and GT-2 project will be depreciated over the life of the Project at approximately \$444,000 per year, resulting in a relatively small energy rate impact of less than 0.04¢/kWh relative to the initial budget in the CIP. Nonetheless, completion of the Project is not expected to increase electric rates, because savings in fuel and purchased power expenses are expected to more than offset Project amortization costs.

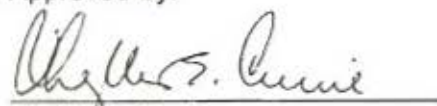
Respectfully Submitted,


Cynthia J. Kurtz
City Manager

Prepared by:


Eric Klinkner
Business Unit Director
Power Supply Business Unit

Approved by:


Phyllis E. Currie
General Manager
Pasadena Water and Power



Agenda Report

January 27, 2002

To: City Council

From: City Manager

Subject: **REJECT ALL BIDS FOR THE CONSTRUCTION AND
INSTALLATION OF GAS TURBINE UNITS 3 AND 4 AT THE
GLENARM POWER PLANT SITE, SPECIFICATION LD-02-6**

RECOMMENDATION:

It is recommended that the City Council reject all bids for the construction and installation of Gas Turbine Units 3 and 4 at the Glenarm power plant site from Construction Specification LD-02-6.

BACKGROUND:

Construction Specification LD-02-6 was issued on October 1, 2002 along with all available construction drawings, related data, and general terms and conditions. **Four bids were received by the November 13, 2002 deadline.** A review of the bids received indicated there were some ambiguities in the City's requirements. Furthermore, trade organizations and bidders' representatives provided PWP several letters of concerns regarding the potential award of this contract. PWP has been unsuccessful in resolving these concerns.

Given the magnitude of this project, it is in the best interest of the City to reject all the bids and to modify the work scope and requirements in such a way as to remove any areas of ambiguity. Furthermore, the work scope can be better defined as additional information on soil conditions and final construction drawings are now available. It is expected that this action will result in a superior contract and more definitive work scope that will make for easier contract administration with reduced potential for change orders.

SCHEDULE IMPACT:

Rejecting bids will result in schedule delays for the GT-3 and GT-4 project. All bidders have indicated that this project has an accelerated schedule that must have commenced in January 2003 to meet the desired July 1, 2003 commercial operation date. It is anticipated that this recommendation will result in delaying commercial operation by 45-60 days into the mid- or late-summer timeframe.

PROJECT COST IMPACT:

It is uncertain whether rejecting bids will affect the final cost of the construction contract, but there will be additional costs for extending existing contracts associated with the project. It is estimated that construction delays will result in additional costs of approximately \$400,000 to \$600,000 for storing equipment and extending engineering and project management service contracts.

Additional project costs will be amortized over the life of the project, resulting in a relatively small rate impact of less than 0.04¢/kWh.

ENERGY MARKET COST IMPACT:

Replacing the capacity and energy that would have been provided by GT-3 and GT-4 starting in July will result in increased purchased power and fuels costs. Based on current market projections, it is estimated that delays in commercial operation will result in increased purchased power and fuels costs of approximately \$250,000 to \$500,000 per month. Additionally, the opportunity for \$100,000-500,000 per month in ancillary service sales revenues would be lost.

The \$500,000 to \$2,000,000 combined "energy market cost" impacts will be recovered in the variable Energy Charge on the electric bill over a twelve- to fourteen-month period starting July 2003 at rate of less than 0.2¢/kWh.

In the event that generation capacity or fuel constraints in California adversely affect market prices, the market exposure could be higher. PWP will take steps to mitigate this exposure through forward energy purchases.

Agenda Report
Reject All Bids for Construction Specification LD-02-6
January 27, 2002
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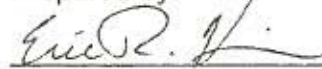
FISCAL IMPACT


Delaying construction will result in additional project costs of approximately \$400,000 to \$600,000 that will be amortized over the life of the project. An additional \$500,000 to \$2,000,000 in "energy market cost" will be incurred. All of these costs will be recovered in the Electric Energy Charge. The maximum rate impact is estimated at 0.2¢/kWh over a fourteen-month period starting July 2003, plus an additional 0.04¢/kWh over the twenty-year life of the project.

Respectfully Submitted,

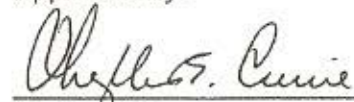

Cynthia J. Kartz
City Manager

Prepared by:


Eric Klinkner
Business Unit Director
Power Supply Business Unit


Jay Panzica
Business Unit Director
Finance and Administration

Approved by:


Phyllis E. Currie
General Manager
Pasadena Water and Power