

FOR BOARD ACTION

Agenda Item # 4.b.

Meeting Date:

9/30/08

SUBJECT: OEM Major Maintenance Proposal (Pratt & Whitney Power Systems, Inc.)
GT2 Engine A – Bolt Replacement on Power Turbine 4th Stage Outer Air Seals &
Exit Guide Vanes

PREPARED BY:
Tony Dzubay, Power Production Engineer RPU

ITEM DESCRIPTION: In May, 2008 Pratt & Whitney Power Systems (PWPS) distributed a service bulletin to its FT8 gas turbine owners to inspect the power turbine (PT) 4th stage outer air seal and exit guide vane bolts for bolt failure and liberation. Field reports have shown that these bolts can come loose from the seals, get introduced into the hot gas path of the gas turbine and cause significant damage to the stationary and fixed blades.

RPU performed this four day inspection to both Engine A and B in August and found that Engine A revealed 6 bolts had liberated from the air seals. No major damage was seen on the power turbine, but additional maintenance is necessary to correct the hardware problem. It was the recommendation of PWPS to remove the affected PT and ship it to their depot shop in Hartford, CT for repairs. The depot specializes in repairing power generation engines.

FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

PWPS is providing an expedited four day repair at cost to all FT8 users. The proposed price to repair one PT is \$48,500. Since this issue is very recent to the fleet, PWPS is the only viable company to perform these repairs. Estimated round trip shipping of one PT is \$6,000. Estimated field service assistance is \$12,000. Total price is \$66,500.

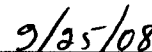
Funds for this expenditure will be used from the Power Production allocation budget.

UTILITY BOARD ACTION REQUESTED:

Staff recommends that the Board approve a purchase order agreement with Pratt & Whitney Power Systems, Inc., in the amount of \$66,500 to provide the services required to repair one power turbine on RPU's FT8 Twin Pac.



General Manager



Date

ROCHESTER PUBLIC UTILITIES



RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve a purchase order agreement with Pratt & Whitney Power Systems, Inc. for

Repair of GT2 Engine A – Bolt Replacement On Power Turbine

The amount of the purchase order agreement to be SIXTY-SIX THOUSAND FIVE HUNDRED AND 00/100 DOLLARS (\$66,500.00).

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 30th day of September, 2008.

President

Secretary