Memorandum

- **To:** Michael Pace and the Board of Directors
- From: John D. Clark, Operations Division Head

Date: December13, 2002

Re: Jet Reserve

There is currently \$20 million in a reserve account designated as *Energy Project* EGF Operations Fund. Legal covenants made at the time of closing in December 2000 that restrict the amount that may be drawn from that reserve account. One of the requirements was that the Authority shall "maintain a minimum amount of Restructuring Reserves (Minimum Balance) such that the Minimum Balance, together with the amount of net profits projected by the Authority to be generated from the operation of the Jets (based on existing contracts or revenues and expense projections) will, together with investment earnings on each of the foregoing, be projected by the Authority to be equal to or greater than the projected costs to the Authority of operating the EGF during the term of the Electricity Generation Agreement." This requirement was the result of CRRA's acquiring the South Meadow's site, including the Electric Generation Facility (EGF). Since the EGF was and is not part of the Mid Connecticut "System", the cost of operating and maintaining the EGF must be met solely by the Minimum Balance and the revenue generated from the jet turbines, not out of revenues generated through tipping fees or electric revenue.

At the November Finance Committee meeting, I presented three cases, demonstrating that between \$13 and \$19 million of this reserve account may be available to support ongoing operations, while meeting the Minimum Balance requirement. In that memo I indicated that the review was on-going and would require the assistance of outside engineering or power marketing support to provide an opinion on a number of factors. The main issues that are in need of further refinement and justification included:

- The future salvage value of the jets
- The future revenue stream from the jets if the election is to continue operation
- The probability of Select Energy (purchaser of the capacity of the jets) calling for an early termination of the Power Purchase and Sales Agreement
- Future projections for the Installed Capacity Market (ICAP) through ISO New England and the New England Power Pool (NEPOOL)
- Future projections for the need for and prices of peaking power

The model presented to the Finance Committee assumed a salvage value for the jets of \$25 million in 2005 and \$13 million in 2010. These values were selected based on an initial market analysis and negotiations in late 1999 and early 2000. At that time, CRRA received two separate offers to purchase the jet engines. Both offers were for \$25 million. Rather than accepting this offer for an outright purchase, CRRA elected to enter into a 10-year contract with Select Energy (Select), which provided for total net revenue of approximately \$50 million over the 10-year term. The contract with Select does include a Contract provision that allows either party to terminate the Contract with a 24-month notice, provided that such notice cannot be given prior to May 2003 (reducing the contract term to 5-years). The value of the contract based on the minimum 5-year term was approximately \$26 million.

The energy market has drastically changed since late 1999 and early 2000. At that time, there was a projected shortage of installed capacity and backlogs of orders for generating equipment. This drove up the cost of installed, used, and new generating equipment. Equipment and energy prices plunged after the Enron bankruptcy filing. On November 15, 2002, CRRA received a report from Northeast Generation Services Company (NGS) indicating that the estimated salvage value of the jets was estimated to be between \$6 and \$8 million dollars, significantly less than the \$25 million estimated in 1999. A copy of the NGS report, which also outlines the other options that may be available to CRRA, is attached.

Projections that the Select contract would generate \$26 million of net jet engine revenue over the 5-year term are on target. If the jet turbines are sold for \$8 million in 2005, the net present value of the revenue stream over the 5-year period (approximately \$28 million) is greater than the \$25 million offers to purchase the jets received in 1999-2000. CRRA staff continues to believe that there is greater value in leaving the units installed and operational in their present location than in selling the units.

Over the past year, CRRA has had numerous discussions with Select on these issues, and on the purchase of the electric output from the waste-to-energy facility. Select has informally indicated that the current contract rates for the jet engines are above market and that Select is considering canceling the contract in 2005. CRRA staff has agreed to consider an alternative proposal offered by Select. The alternative would result in reduced contract rates, providing less revenue for CRRA, but would commit Select to a new fixed contract term to be coincident with the term of the South Meadows waste-to-energy contracts (2012). CRRA is waiting for a proposal from Select, expected by early January 2003. When this information is available it will be incorporated into the model to determine what portion of the reserves this would make available, and if the terms are beneficial to CRRA and its member towns. It is anticipated that a substantial portion of the reserves would be made available under this scenario.

CRRA has rerun the model with a contract termination of 2005 and an \$8 million jet salvage value. This model is attached and shows that only \$1.18 million can be made available to fund on going operations and the balance of \$18.82 million must be maintained as the Minimum Balance. A second model, assuming a 2010 contract term with no changes to contract terms and an \$8 million jet salvage value is also attached. This model indicates that the full \$20 million would be available under those hypothetical conditions. However, without commitment by Select the funds cannot be freed up at this time. The anticipated commitment by Select, however, will not likely permit the full \$20 million to be freed up.

-
ne
a
>
ge
/a
õ
et
Ξ
<u>0</u>
Ξ
Ε
8
Ţ.
S
₩
na
Ē
E
Ē
t
ă
E
ō
0
65
20
1
<u>S</u>
Z
Ĕ
ົບ
Щ
റ്
Ř
出.
ž
≤
<u>х</u>
E
Z
Ā
Z
Z
٩
S
6
Ĕ
4
Ř
D
0
よ
Ш
_

	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
JETS REVENUES	DOPTED BUDGET	ACTUAL FVn2	FV03	PROJECTED FV04	PROJECTED FV05	PROJECTED FV06	PROJECTED FV07	PROJECTED FV08	PROJECTED FV09	PROJECTED FV10	PROJECTED FV11	PROJECTED FV13
Jets Capacity	\$6.650.000	\$7,395,285.17	\$5,414,688	\$5.414.688	\$4.550.688	20	20 \$	\$0	20	20	80	20
Jets Variable	\$267.500	\$191.013.62	\$268,000	\$268,000	\$268.000	\$0	\$0	20	\$0	20 20	\$0	\$ 0
Jets Backstop	\$18,000	\$40,503.78	\$15,000	\$15,000	\$15,000	\$0	\$ 0	80	80	80	80	\$0
Black Start Credit	80	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
O&M Compensation	\$2,108,976	\$878,740	\$0	\$0	\$0	\$0	\$0	\$0	\$ 0	\$0	\$ 0	\$0
Billboard Lease (LeMar)	\$21,600		\$21,600	\$23,328	\$23,328	\$23,328	\$25,028	\$25,028	\$25,028	\$26,728	\$26,728	\$26,728
Office space rental	\$10,000		\$0	20	\$0	SO	\$0 5	20	\$0 50 00	20 20 20	\$0 50 55 5	\$0 \$0
TCI Cable maintenance fees	\$2,205	773 000 C	\$2,205 *7 <i>57</i> 578	\$2,205	\$2,205	\$2,205 \$705 210	\$2,205	\$2,205 \$207 004	\$2,205	\$2,205	\$2,205	\$2,205
Interest Income (Keserve Fund) Miscellaneous income	\$1,200,000	\$245,633	870'/00\$	670,1000	010,0404	010,0000	34/1,404	40%'/ 600	006,4200	000,047¢	610,6016	300,4/1
Sale of Jets			\$	•	•	8,000,000	• •	•	•	•	•	•
Total Revenues	\$10,278,281	\$9,386,080	\$6,379,021	\$6,104,550	\$5,254,239	\$8,410,843	\$498,637	\$425,137	\$352,219	\$277,769	\$198,312	\$115,404
JETS EXPENDITURES General Administration	£750 084	PLC LYSS	203 5072	\$71 337	061 573	837 474	838 411	175 953	\$40.356	241 364	002 673	843 459
Fees/Licenses/Permits	\$12.367	\$10.664	\$12,400	\$12.400 \$12.400	\$12,400	205	11-5000	SO	\$0 80	S0	S0	80
Assessment/Taxes	80 80	\$117.411	\$120,346	\$123.355	\$126,439	\$0	20	\$0	\$0	\$0 80	\$0	\$ 0
Insurance Premiums	\$136,400	\$154,718	\$274,776	\$281,645	\$288,687	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contract Operating Charges						;	é	é	ę	¢		ě
NGS Fixed Fee	\$660,000 5267 500	\$695,772	\$695,772	\$695,772	\$695,772	0, S	0.50	04	04	0.5	04	0.6
NGS Barbatic Fee	000,1026	C/+,1/C¢	000,602¢ 08	000,002¢ \$0	000,002¢	0.5	0.5	0.0	0\$	05	05	05
NGS Pass-through expenses	\$300.000	\$88.000	\$15.000	\$75.000	\$75.000	20	20 20	20	20	20	20	20 20
Capital upgrades	\$111.000		\$0	\$50,000	\$50,000	20	\$0	\$0	\$0	\$ 0	\$ 0	\$0
N0x Reduction capital upgrades	\$500,000		80	80	80	\$0	\$ 0	80	\$0	\$0	\$0	\$0
Other Operating Charges	80		\$0	\$0	\$0	\$0	\$0	80	\$ 0	\$0	\$0	\$ 0
Engineering	\$90,000		\$5,000	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
EGF EXPENDITURES		101 3100	100 000	100 0700	\$70E 774	e202 010	010 0000	017 710	C015 111	700 000	C221 110	6230 E0E
Insurance ritemiums Contract Onerating Charges (CUE	3250,800	161,6126	\$212,004 \$7 934 474	\$3 007 785	\$3 087 979	\$292,919 \$3 160 054	\$3 739 055	\$3 320 031	\$3 403 032	\$3 488 108	\$3 575 311	\$3,664,693
Contract Operating Charges (C1)	Bu \$400.000	\$496.000	\$284.000	\$270,000	\$552.000	\$154,000	\$549,000	\$350,000	\$350,000	\$350.000	\$350.000	\$350.000
Other Operating Charges	0	\$10,000	80	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Engineering	\$90,000	\$12,881	\$25,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Other Utilities	20	\$330,924	\$150,000	\$200,000	\$205,000	\$210,125	\$215,378	\$220,763	\$226,282	\$231,939 #1 150 730	\$237,737	\$243,681
TOTAL EXPENDITURES	\$6,376,051	\$6,052,785	\$5,126,319	\$5,384,098	\$5,765,171	\$3,8/9,5/1	\$4,367,086	\$4,262,913	\$4,360,111	\$4,459,738	\$4,501,857	\$4,000,528
Net Revenues	\$3,902,230	\$3,333,295	\$1,252,702	\$720,452	-\$510,932	\$4,531,272	-\$3,868,448	-\$3,837,776	-\$4,007,892	-\$4,181,969	-\$4,363,545	-\$4,551,124
Reserve at end		\$18,817,261	\$20,069,963	\$20,790,415	\$20,279,483	\$24,810,755	\$20,942,306	\$17,104,530	\$13,096,638	\$8,914,669	\$4,551,124	80
CPI Adustment Required Reserve Fund Total w/interest at Borrowing Rate	2.50% \$18,817,261 1.9% 6.0%	S0 if	this is not = 0\$ - 1	it ctrl-s								
.lets expiration	2005	O	PTIONAL METHO	OD - no salvage- kei	en operational at re	duced ICAP payn	ients					
Base Capacity payments	S 5.013.600	ä	se ICAP instead of S:	alvage Y/N 1		•						
capacity improvement	108%	Ŋ	AP base year price -	-\$/kw-month 1	\$ 1.00							
variable passthorugh	S 268,000	ι. Έ	verage jet installed ca	pacity	184,320							
blackstart credit	S 300,000											
backstop energy S	S 15,000	S	TILL HAVE VALUI	E OF JETS AT END	OF CONTRACT							

•

Available for Operations \$1,182,739

S 8,000,000

Salvage value of jets

nillion jet salvage value
\$8 r
Termination -
2010 Contract
MAINTENANCE PROJECTIONS -
EGF OPERATIONS AND N

2011 2012 FROJECTED FROJECTED FY11 FY12 S0 80 \$0 80 \$0\$ \$0 80 \$0\$ \$0 80 \$0\$ \$0 80 \$0\$ \$0\$ \$0\$ \$0\$ \$0\$ \$0\$ \$0\$ \$0\$ \$0\$ \$	\$ 8,000,000 \$ - \$8,049,146 \$115,404 \$42,399 \$43,459 \$0 \$0 \$0 \$0 \$0 \$0	 S0 S339,696 S3,575,311 S339,696 S3,575,312 S349,690 S10,000 S10,0	
2010 FY10 54,550,688 \$268,000 \$15,000 \$15,000 \$15,000 \$26,728 \$26,728 \$26,728 \$26,728 \$26,728	\$	\$695,772 \$268,000 \$75,000 \$50,000 \$50,000 \$25,000 \$25,000 \$25,000 \$33,488,108 \$3359,000 \$10,000 \$231,939 \$5,098,581 \$5,098,581 \$51,063,835 \$1,193,078 \$1,063,835	
2009 FY09 55,414,688 \$5,414,688 \$268,000 \$15,000 \$15,000 \$25,028 \$25,028 \$25,028 \$25,025 \$46,953	\$	\$695,772 \$268,000 \$75,000 \$50,000 \$20,000 \$25,000 \$235,000 \$10,000 \$10,000 \$10,000 \$25,26,913 \$2,256,913	
2008 FY0B FY0B 55,414,688 55,414,688 55,414,688 5268,000 5300,000 5300,000 5300,000 5300,000 5300,000 525,028 52,028 52,025 53 5309 543,309 543,309 543,309 543,309 543,309 544,509 544,509 544,509 544,509 544,509 544,300000000000000000000000000000000000	56,068,230 578,743 5136,161 5110,884	\$695,772 \$268,000 \$75,000 \$50,000 \$50,000 \$25,000 \$3307,748 \$3307,748 \$3307,748 \$3307,748 \$3307,748 \$3307,748 \$3307,600 \$10,000 \$10,000 \$10,000 \$11,776 \$5,876,454 \$11,186	
2007 FYUD FYUT 55,414,688 5268,000 515,000 5300,000 5300,000 \$255,028 \$255,028 \$255,028 \$255,028 \$255,028 \$255,028	56,066,369 56,066,369 513,028 513,2840 5132,840 5132,840 5303,301	\$695,772 \$268,000 \$75,000 \$50,000 \$20,000 \$25,000 \$25,000 \$10,000 \$10,000 \$10,000 \$110,000 \$215,378 \$5,968,438 \$5,968,438 \$5,968,438	5 <u>1</u>
2006 FY06 FY06 S5,414,688 S5,414,688 S268,000 S1300,000 S300,000 S233,328 S233,328 S30,342 S30,342	\$ \$6,053,563 \$74,948 \$12,710 \$129,600 \$129,600 \$235,904	\$695,772 \$268,000 \$75,000 \$50,000 \$50,000 \$2282,919 \$25,000 \$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$15,000\$\$1	luced ICAP payme
2005 FY05 5,414,688 \$268,000 \$15,000 \$300,000 \$300,000 \$23,328 \$23,328 \$23,205 \$24,965	\$ - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$695,772 \$268,000 \$75,000 \$50,000 \$50,000 \$25,000 \$225,000 \$10,000 \$10,000 \$10,000 \$285,774 \$33,082,979 \$555,000 \$10,000 \$205,000 \$200,0000 \$200,0000 \$200,0	p operational at re- 1.00 184,320
2004 FY04 S5,414,688 S268,000 S15,000 S12,000 S23,328 S23,328 S23,328 S12,582 S12,582	- \$ \$6,035,803 \$71,337 \$12,400 \$123,355 \$281,645	\$695,772 \$268,000 \$75,000 \$50,000 \$50,000 \$2270,000 \$270,000 \$10,000 \$10,000 \$5384,098 \$651,705 \$5131,932	t ctrl-s D - no salvage- kee vage Y/N n Kw-month \$ acity AT ENDA
2003 FY03 \$5,414,688 \$268,000 \$15,000 \$300,000 \$2000000 \$21,600 \$2,205 \$2,205 \$13,186	- \$ \$6,008,307 \$69,597 \$12,400 \$120,346 \$274,776	\$695,772 \$268,000 \$15,000 \$15,000 \$5,000 \$55,000 \$55,000 \$228,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$52277	his is not = 0\$ - hi TIONAL METHO - ICAP instead of Sal AP base year price -5 rage jet installed cap
2002 ACTUAL FY02 \$7,395,285.17 \$191,013.62 \$40,503.78 \$78,740 \$878,740 \$880,537	\$ 2567,274 \$9,386,080 \$567,274 \$10,664 \$117,411 \$154,718	\$695,772 \$571,475 \$88,000 \$88,000 \$215,131 \$2,782,535 \$496,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,002 \$333,295 \$3,033,295 \$3,032,761	S B IT IO I I I I I I I I I I I I I I I I I
2002 2002 FYD2 56,650,000 \$267,500 \$18,000 \$18,000 \$18,000 \$10,000 \$10,000 \$10,000 \$1,200,000 \$1,200,000	810,278,281 5759,984 \$12,357 \$12,400 \$136,400	\$660,000 \$267,500 \$18,000 \$518,000 \$511,000 \$500,000 \$90,000 \$2,800,000 \$400,000 \$90,000 \$90,000 \$90,000 \$90,000 \$90,000 \$90,000 \$90,000 \$000 \$	2.50% -\$219,761 1.9% 6.0% 6.0% 8.2013,600 108% 5.268,000 5.300,000 5.300,000 5.15.000
JETS REVENUES Jets Capacity Jets Capacity Jets Variable Black Start Credit O&M Compensation Billboard Lease (LeMar) Office space rental TCI Cable maintenance fees Interest Income (Reserve Fund)	wuscentaneous meone Sale of Jets Total Revenues JETS EXPENDITURES General Administration Fees/Licenses/Permits Assessment/Taxes Insurance Premiums Contract Operating Charges	NGS Fixed Fee NGS Fixed Fee NGS Backstop offset NGS Pase-through expenses Capital upgrades Capital upgrades Other Operating Charges Edgreering EGF EXPENDITURES Insurance Premiums Contract Operating Charges (CI Bu Contract Operating Charges (CI Bu Other Operating Charges (C2 Bu Other Operating Charges (C2 Bu Other Uperating Charges (C2 Bu Other Uperating Charges (C3 Bu Other Operating (C3 Bu Other Operating Charges (C3 Bu Other Operating Charges (C3 Bu Other Operating Charges (C3 Bu Other Operating Charges (C3 Bu Other Operating (C3 Bu Othe	CPI Adustment Required Reserve Fund Total winterest at Borrowing Rate Jets expiration Base Capacity payments capacity improvement variable passthorugh blackstart credit

S 8,000,000

Salvage value of jets

Available for Operations \$20,000,000

South Meadow Station

Units 11 – 14

Identification / Discussion of Future Options

Prepared by: Francis X. O'Keefe Northeast Generation Services Company November 15, 2002

Prepared for: Connecticut Resources Recovery Authority

The Connecticut Resources Recovery Agency (CRRA) has requested Northeast Generation Services (NGS) to assist in identifying future options for the four (4) Pratt & Whitney FT-4 Twin Power Pacs (South Meadow Units 11-14) combustion turbines located at South Meadow Station in Hartford, CT. Based upon limited time frame, this evaluation is limited to identifying and discussing each option, as well as consulting with industry professionals on generally accepted / anticipated practices.

The four FT-4 twin pacs are nominal 40 MW each (winter rating) installed in 1970 by Northeast Utilities to provide peaking power in the Central Connecticut region. Through the Electric Utility restructuring / deregulation, CRRA purchased these units from Northeast Utilities in 1999.

Each Twin Pac consists of two opposed, direct connected, P&W FT4A-9 gas turbines, driving an open cycle air-cooled 46.5 MVA, 13.8 kV, 0.90 power factor, two pole, turbine type generator at 3,600 rpm, with a "drive-through," direct connected brushless exciter. All equipment is housed in an enclosure 32 feet by 105 feet.

Northeast Generation Services Company (NGS), an unregulated subsidiary of Northeast Utilities, currently is under contract to CRRA for providing the annual operation and maintenance services of the Units.

NGS has identified four basic options for the CRRA to consider for future use of the units. The options are grouped as follows:

Option 1: CRRA would continue to operate the units at South Meadow and ownership would be retained by CRRA.

Option 2: CRRA would sell the units another party, keeping the units operating at South Meadow while allowing the new owner full access to the site.

Option 3: CRRA would retire the units and sell the components as spare parts.

Option 4: CRRA would sell the units for relocation / reuse by other party.

Each of the above options should be evaluated based upon a trigger date of May, 2005 and May, 2010.

A full discussion of each option follows.

Option 1: CRRA could continue to operate the units at South Meadow and ownership would be retained by CRRA.

The details required to perform this evaluation would have to be provided by CRRA. To properly evaluate this option, several items must be quantified. For the revenue side of the equation, anticipated revenues from each of the products provided by the units, i.e. capacity, spinning reserve, energy, black-start value, etc. must be estimated based upon projections of the unregulated New England energy market. For these, an annual revenue stream would be developed and evaluated based upon its net present value.

The expense side would also be developed. Expenses to be quantified include: current and future operation and maintenance costs, costs related to potential changes in the air regulations and their cost impact, major repairs outside of normal operation and maintenance costs, property taxes, state and federal taxes, cost of capital, depreciation, and fuel costs.

Other issues to consider include the overall risk in the energy markets, as well as CRRA's internal rate of return requirements.

NGS could provide assistance to CRRA in evaluating this option.

The resulting Net Income (Present Value) should be used in comparison to the other three (3) options.

Summary Option 1: CRRA to perform Net Income (Net Present Value) analysis of the going forward costs of continuing to operate the South Meadow Twin Pacs. NGS could provide assistance in quantifying costs and revenues.

Option 2: CRRA could sell the units to another party, keeping the units operating at South Meadow while allowing the new owner full access to the site.

CRRA would use their anticipated net income calculated for Option 1 (above) as a basis of negotiation for the sale of the units to remain operating on site. The final negotiated price for the sale of the units would be reduced by any potential risks associated with the assumptions in the analysis. The risks that could potentially reduce the selling price would include:

1. Assumptions in revenues based upon the maturity of the energy market in New England.

2. Potential costs associated with changes in regulations, primarily NOx air regulations and the capital improvements required for compliance.

3. Unanticipated major component replacements not assumed in the Operation and Maintenance budget based upon the units being in operation for 30 plus years.

4. The climate for the repurchase of electric generating facilities in Connecticut is currently depressed as seen through the sale of the former United Illuminating / Wisvest Units as well as the current status of the former CL&P Units now owned by NRG. Also, to consider is the current status of the new facility under construction in Meriden by NRG.

All these factors and associated risks will reduce any potential selling price of the units for remaining in operation at the South Meadow site.

Summary Option 2: Based upon completion of Option 1 analysis, CRRA to issue Request for Quotations (RFQ) to further quantify selling price. NGS could assist in developing the RFQ, including technical assistance, preparation of drawing packages, etc. and evaluation of proposals.

Option 3: CRRA could retire the units and sell the components as spare parts.

This option is dependent upon the market need of the major components as well as their condition. Also, the value of the components sold as spare parts would be determined by their current need. The issue of similar units needing major component replacement and the parts available from the South Meadow units tend to be a timing issue. In addition, the Original Equipment Manufacturer or other repair service companies could be contacted to provide a firm price to remove all salvageable / saleable components. The estimated spare parts value for the engine and free turbine is approximately \$ 600,000 - \$ 800,000 per twin pac. This assumes that there is an interested buyer for the components.

Any potential revenues from the sale of components as spare parts would be reduced by the fact that all sold components would have to be disassembled / removed from the units. Competing suppliers of spare parts may have the components sitting in a warehouse ready for shipment. Other considerations to include are any potential site restoration requirements, i.e. after removal of potential spare parts, will the remaining structures, tanks, components be removed / scrapped and the site restored?

This is all based upon current information. Projections for the market in 2010 would be difficult at best. Most industry professionals believe that most existing gas turbines developed pre-1970 will be retired over the next 5 to 10 years making retired components available as spare parts. This would decrease the value of the South Meadow Units for spare parts as time goes on.

Summary Option 3: CRRA to issue an Expression of Interest to potential buyers of components. This request would require budgetary quotations from potential suppliers to assist CRRA in further evaluating this option. NGS could provide assistance to CRRA with the development of the packages, evaluation of proposals, etc.

Option 4: CRRA could sell the units for relocation / reuse by other party.

This option is compared to cost of purchasing / installing new units as well as the location, city, state, country in which the units are to be relocated. A similar designed new unit would sell for approximately \$ 10 - \$ 12 million. These units would include state-of-the-art emission controls as well as being 25% to 30% more efficient. Also, generally the new units are capable of firing gas or liquid fuels.

Based upon several conversations with industry professionals, the units are estimated to be worth \$ 2.0 to \$ 2.5 million per twin pac to sell. This value is based upon information gathered from other recent sales, comparison to new units, disassembly costs, and potential markets.

The selling price would be reduced by the disassembly costs. Other similar units for sale would be packaged and ready for shipment sitting in a warehouse. Based upon costs associated with careful disassembling of similar units in preparation for shipment and reassembly, the selling price could be reduced by \$ 400,000 to \$ 500,000 per twin pac. This cost would include disassembly of the enclosures, partial unit disassembly, emptying / cleaning fuel tanks, etc.

In addition, the selling price would also be affected by the new potential location. If the new owners are anticipating that these units will need to be upgraded to meet emission standards, any costs related to capital improvements would reduce the price further in comparison to new units.

This is all based upon current information. Projections for the market in 2010 would be difficult at best. Some industry professionals believe that the price for gas turbines of this vintage has essentially bottomed out and that there would be no further decrease in value. Others believe that with newer generations of gas turbine being developed over the next 5 to 10 years, that this vintage would decrease further in value and have little or no remaining value over time.

Summary Option 4: It appears that the preliminary estimate of selling the South Meadow Twin Packs would net approximately \$ 1.5 – \$ 2.0 million per twin pac. This is subjectively based upon a selling price of \$ 2.0 to \$ 2.5 million reduced by disassembly / packaging costs \$ 400,000 to \$ 600,000. To more accurately quantify this value, CRRA could issue a formal RFQ to potential buyers / marketers. NGS could provide assistance in the development of the RFQ, identifying potential buyers and evaluating proposals.

References:

Thomas Padberg Northeast Generation Services Company

Ralph Grosso Wood Group – P&W

Thomas Walker NRG Energy

Frank Ludwick TC Power Inc.

Eric Rorstrom NUCON Consulting

Wally Ebner Northeast Generation Services Company