

October 17, 1979
GQL 1307

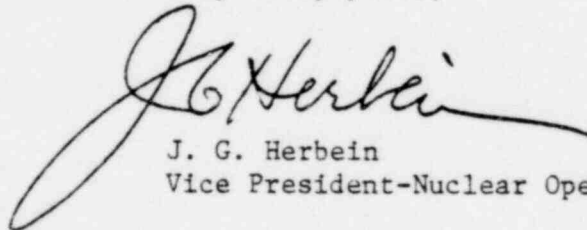
Director of Nuclear Reactor Regulation
Attn: Mr. R. H. Vollmer, Director
Three Mile Island Support
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Three Mile Island Nuclear Station Unit 1 (TMI-1)
Docket No. 50-289
License No. DPR-50
Financial Information

Enclosed is information related to your request for financial information dated September 21, 1979. This information supplements the information forwarded to you by Mr. Fred Hafer on Met-Ed's behalf on October 15, 1979.

Very truly yours,



J. G. Herbein
Vice President-Nuclear Operations

JGH:djh

cc: H. Silver
R. W. Reid

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REQUEST FOR FINANCIAL INFORMATION

Response to Questions 1 & 2

The attached tables provide the estimated costs of plant modifications required by the Commission's August 9, 1979 Order, as well as those modifications committed to in Met-Ed's letter dated June 28, 1979. The tabulated costs include hardware, installation and engineering costs, except Met-Ed and GPUSC engineering costs which are tabulated as a lump sum separately. Also the costs of other required actions including B&W tasks, training, procedure modifications, safety analyses, and emergency planning are tabulated. Finally, the grand total of all costs are tabulated and are the sum of the cost of modifications and other actions for a given year.

In general, those costs associated with a hardware addition are capital requirements including all costs associated with task numbers RM and LM as well as the costs associated with implementation of NUREG 0578, Category B items and long term studies not yet assigned task numbers.

The timing of these expenditures is expected to be a linear projection from the beginning of a time period to the end except that the expenditures for 1981 are expected to occur during the first quarter of 1981.

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EXPENDITURE FORECAST OF TMI UNIT #1 RESTART MODIFICATIONS

TASK NO.	DESCRIPTION	\$ IN THOUSANDS				REMARKS
		1979	1980	1981	TOTAL	
RM-1	Heat Shrink Tubing	214	-	-	214	
RM-2	Decay Heat System	202	-	-	202	
RM-3	Reactor Trip	17	-	-	17	
RM-4	Incore Thermo Couples	50	-	-	50	
RM-5	Containment Isolation	32	-	-	32	
RM-6	Valve Position-Indication	20	11	-	31	
RM-7	Computer	116	-	-	116	
RM-8	OTSG Level Transmitter	36	-	-	36	
RM-10	PORV Position Indication	65	65	-	130	This will be revised due to additional elbow taps
RM-12	H ₂ Recombiner	40	107	-	147	
RM-13	EFW Modification	82	6	-	88	
RM-14	HPI-Small Break LOCA Fixes	100	133	-	223	Includes \$4500 For Venturi
						Pipe In 1980
RM-16	Pressurizer Heaters Emergency Power Supply	24	24	-	48	
LM-1	PSAT Alarm	-	21	-	21	
LM-2	Reactor Coolant System Temperature	-	9	-	9	
LM-4a	BWST Level Indication	50	-	-	50	
LM-4b	BWST Auto Switchover	20	20	60	100	
LM-5	Waste Gas Tank Venting	49	-	-	49	
LM-8a	Reactor Building Sump Level	20	100	40	160	

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Totaling \$782,000(see cross reference for specific tasks)

CROSS REFERENCE OF MET-ED JUNE 28, 1979 COMMITMENTS
NOT INCLUDED IN NRC RECOMMENDATIONS
TO MODIFICATION TASK NUMBERS

<u>COMMITMENT</u>	<u>MODIFICATION TASK NO.</u>
A2	RM-1
A6/B2	RM-7
A9	RM-2
A11	RM-14
A12	RM-8
B5	LM-4a, b
B8	RM-8b
B9	LM-5
B10	LM-9

CROSS REFERENCE OF NRC RECOMMENDATIONS
TO MODIFICATION TASK NUMBERS

<u>RECOMMENDATION</u>	<u>MODIFICATION TASK NO.</u>
1(a) Auxiliary Feedwater Upgrading	RM-13
1(b) Auxiliary Feedwater Operating Procedures	NA
1(c) Control Grade Reactor Trip On Loss Of Turbine/FW	RM-3 and B&W 92
1(d) Complete Analysis For Small Break LOCA's And Revise Procedures	NA
1(e) Retraining Of All Reactor Operators	NA
2 I&E Bulletins	NA
IEB 79-05A	NA
Item 1	NA
Item 2	NA
Item 3	NA
Item 4	NA
Item 5	NA
Item 6	RM-5
Item 7	NA
Item 8	NA
Item 9	NA
Item 10	NA
Item 11	NA
Item 12	NA
IEB 79-05B	NA
Items 1 & 2	NA
Item 3	NA
Item 4	NA
Item 5	RM-3/B&W-92
Item 6	NA
Item 7	NA

<u>RECOMMENDATION</u>	<u>MODIFICATION TASK NO.</u>
IEB 79-05C	NA
Item 1	NA
Item 2	NA
Item 3	NA
Item 4	NA
Item 5	NA
Item 1 (Long Term)	Not Yet Assigned
3 Emergency Plan Upgrading	NA
4 TMI-1/TMI-2 Radwaste Ventilation And Sampling Separation	LM-16/RM-11
5 TMI-1 Radwaste Management Capability	NA
6 Organization And Resources	NA
7 Financial Qualifications	NA
8 TMI-2 Lessons Learned Recommendations - NUREG 0578	
2.1.1	RM-16
2.1.2	NA
2.1.3a	RM-10, RM-6
2.1.3b	RM-4, LM-1, LM-2
2.1.4	RM-5
2.1.5	RM-12
2.1.6	Not Yet Assigned
2.1.7	RM-13
2.1.8	LM-8 (Others Not Yet Assigned)
2.1.9	LM-8a, LM-21

<u>RECOMMENDATION</u>	<u>MODIFICATION TASK NO.</u>
2.2.1a	NA
2.2.1b	NA
2.2.1c	NA
2.2.2	NA
2.2.3	NA

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EXPENDITURE FORECAST OF TMI UNIT #1 RESTART MODIFICATIONS

TASK NO.	DESCRIPTION	\$ IN THOUSANDS				REMARKS
		1979	1980	1981	TOTAL	
	B & W PROPOSALS					
3	PORV Position Indication Testing	12	-	-	12	
18	Short Term Activities Auto RCP Trips	4	9	-	13	
19	Site/B&W Phone Communications	-	6	6	12	On Going Expenses At The Rate Of \$450/Month
20	Additional Small Break Analysis	13	-	--	13	
22	B&W Small Break Code Verification	-	2	-	2	
30	Abnormal Transient Of Guidelines (ATOG)	-	387	80	467	
83 } 91 }	TMI-2 Indicator Licensing Assistance FMEA OF ICS	10	110	-	120	
92	Design/Material For Reactor Trip on LOFW	2	-	-	2	
93	Small Break Analysis & Guidelines	100	-	-	100	
95	Auxiliary Feed Water Reliability Analysis	-	13	-	13	
29	Modification To TMI Reactor Vessel Surveillance Prog.	-	30	-	30	
	TOTAL	141	557	86	784	

NOTE: Expenditures for training are on going. There will be more expenses beyond 1980. These expenditures include Met-Ed personnel, consultants and materials required in connection with the training. 1980 budget for item #1 is included in items 2 thru 5.			
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EXPENDITURE FORECAST OF TMI UNIT #1 RESTART MODIFICATIONS

TASK NO.	DESCRIPTION	\$ IN THOUSANDS				REMARKS
		1979	1980	1981	TOTAL	
	PROCEDURES					
	<u>Preparation, Periodic Review & Clerical Time:</u>					
	Normal	100	110		210	
	Technical Specification	45	50		95	
	NRC For Start-Up	50	20		70	
	<u>Plant Operation Review Committee & Unit Superintendent</u>					
	<u>Approval:</u>					
	Normal	18	20		38	
	Technical Specification	10	12		22	
	NRC For Start-Up	12	5		17	
	TOTAL FOR PROCEDURES:	235	217	*240	692	
	* No Breakdown Is Available For 1981					

REQUEST FOR FINANCIAL INFORMATION

Response to Question 9

There have been no actions taken by Metropolitan Edison Company since the TMI-2 accident which are related to the safe operation of the TMI-1 facility which reduce costs. Conversely, all actions which have been taken have increased costs. After the accident at TMI-2, Metropolitan Edison Company, as well as member companies of the GPU system, put into effect cost reduction programs which reduced both capital costs and operating and maintenance expenses. Future reductions or increases of these items will depend on the general financial condition of the company, particularly rate relief granted by their respective utility commissions.