

**Exhibit B
Category Budget**

Budget Category Item	PIER Share (\$)	Match Share (\$)	Total Cost (\$)
Personnel:			
Direct Labor	\$ -	\$ 92,200	\$ 92,200
Fringe Benefits			\$ -
Total Personal Services	\$ -	\$ 92,200	\$ 92,200
Operating Expenses:			
Travel			\$ -
Equipment	\$ 57,410	\$ 432,253	\$ 489,663
Materials / Supplies	\$ 162,990	\$ -	\$ 162,990
Contractual	\$ 116,064		\$ 116,064
Miscellaneous	\$ -	\$ -	\$ -
Total Operating Expenses	\$ 336,464	\$ 432,253	\$ 768,717
Overhead:			
Overhead			\$ -
Total Overhead	\$ -	\$ -	\$ -
Total	\$ 336,464	\$ 524,453	\$ 860,917

EXHIBIT B Budget Details

Equipment

Item	Quantity	Unit Cost	PIER Share	Match Share	Total Cost
Early Warning System Software	1	\$ 27,495.00	\$ 13,747	\$ 13,748	\$ 27,495
Real Time Energy Optimizer System	1	\$ 250,000.00	\$ 38,666	\$ 211,334	\$ 250,000
Early Warning System - Software interface to customer BMS	1	\$ 9,995.00	\$ 4,997	\$ 4,998	\$ 9,995
Support and Maintenance - 3 years	3	\$ 54,058.00	\$ -	\$ 162,174	\$ 162,174
SiteLink Gateway - Hardware and installation	4	\$ 10,000.00	\$ -	\$ 40,000	\$ 40,000
Total Equipment			\$ 57,410	\$ 432,253	\$ 489,663

Materials, Supplies

Item	Quantity	Unit Cost	PIER Share	Match Share	Total Cost
Software and wireless temperature sensor hardware	297	\$ 350.00	\$ 103,950	\$ -	\$ 103,950
Software and wireless power monitoring sensor hardware	43	\$ 395.00	\$ 16,985	\$ -	\$ 16,985
Software and wireless control module, serves 1 CRAC	43	\$ 585.00	\$ 25,155	\$ -	\$ 25,155
Mesh Network Gateway hardware	6	\$ 2,000.00	\$ 12,000	\$ -	\$ 12,000
DASH System Server	1	\$ 4,900.00	\$ 4,900	\$ -	\$ 4,900
Total Materials and Supplies			\$ 162,990	\$ -	\$ 162,990

Contractual

Subcontractor Name	Purpose	PIER Share	Match Share	Total Cost
tbd	provide and install variable speed drives	\$116,064	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
Total Contractual		\$ 116,064	\$ -	\$ -

Miscellaneous

Item	Purpose	PIER Share	Match Share	Total Cost
			\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
Total Miscellaneous		\$ -	\$ -	\$ -

EXHIBIT B Budget Details

Overhead

Name of Overhead	Overhead Base*	Maximum % Rate to be Billed**	Base Cost	PIER Share	Match Share	Total Cost
		0%	\$ -	\$ -	\$ -	\$ -
		0%	\$ -	\$ -	\$ -	\$ -
		0%	\$ -	\$ -	\$ -	\$ -
		0%	\$ -	\$ -	\$ -	\$ -
		0%	\$ -	\$ -	\$ -	\$ -
Total Overhead				\$ -	\$ -	\$ -

* Base: Define cost categories used to charge Overhead rate, e.g., Total Labor, Total Direct Cost, Materials, Subcontracts, etc.

** Maximum Indirect Overhead rates are caps: PIER will not reimburse at higher rates over the term of the project.

Exhibit B Budget Summary by Task

Task #	Task Name	PIER Funding (\$)	Match Funding (\$)	Total (\$)
1.1	Attend Kick-off Meeting	\$0	\$1,200	
1.2	Critical Project Review Meetings	\$0	\$2,400	\$2,400
1.3	Final Meeting	\$0	\$1,800	\$1,800
1.4	Monthly Progress Reports	\$0	\$7,200	\$7,200
1.5	Final Report	\$0	\$18,000	\$18,000
1.6	Identify & Obtain Matching Funds	\$0	\$2,400	\$2,400
1.7	Identify & Obtain Required Permits	\$0	\$0	\$0
2	ENERGY USE DETERMINATION	\$0	\$18,000	\$18,000
3	VARIABLE FREQUENCY DRIVE INSTALLATION	\$116,064	\$6,000	\$122,064
4	DASH HARDWARE AND SOFTWARE	\$220,400	\$448,253	\$668,653
5	ENERGY SAVINGS VERIFICATION	\$0	\$5,400	\$5,400
6	TECHNOLOGY TRANSFER ACTIVITIES	\$0	\$7,800	\$7,800
7	PRODUCTION READINESS PLAN	\$0	\$6,000	\$6,000
	Total	\$336,464	\$524,453	\$859,717

Exhibit B PIER Funding By Task

PIER Funding (\$)		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Task	Project Administration Activities										
1.1	Attend Kick-off Meeting										\$0
1.2	Critical Project Review Meetings										\$0
1.3	Final Meeting										\$0
1.4	Monthly Progress Reports										\$0
1.5	Final Report										\$0
1.6	Identify and Obtain Matching Funds	0	0	0	0	0	0	0	0	0	\$0
1.7	Identify and Obtain Required Permits	0	0	0	0	0	0	0	0	0	\$0
	Administration Activities Subtotals	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Task	Project Technical Activities										
2.0	ENERGY USE DETERMINATION										\$0
3.0	VARIABLE FREQUENCY DRIVE INSTALLATION						116,064				\$116,064
4.0	DASH HARDWARE AND SOFTWARE				57,410	162,990		0			\$220,400
5.0	ENERGY SAVINGS VERIFICATION										\$0
6.0	TECHNOLOGY TRANSFER ACTIVITIES										\$0
7.0	PRODUCTION READINESS PLAN										\$0
	Technical Activities Subtotals	\$0	\$0	\$0	\$57,410	\$162,990	\$116,064	\$0	\$0	\$0	\$336,464
		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
	PIER Reimbursable Totals	\$0	\$0	\$0	\$57,410	\$162,990	\$116,064	\$0	\$0	\$0	\$336,464
	Percent of the Total	0%	0%	0%	17%	48%	34%	0%	0%	0%	100%

Exhibit B Match Budget

Match Funding (\$)		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Task 1 Project Administration Activities											
1.1	Attend Kick-off Meeting	1,200									\$1,200
1.2	Critical Project Review Meetings	2,400									\$2,400
1.3	Final Meeting	1,800									\$1,800
1.4	Monthly Progress Reports	7,200									\$7,200
1.5	Final Report	18,000									\$18,000
1.6	Identify & Obtain Matching Funds	2,400									\$2,400
1.7	Identify & Obtain Required Permits										\$0
Administration Activities Subtotals		\$33,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,000
Task Project Technical Activities											
2.0	ENERGY USE DETERMINATION	18,000									\$18,000
3.0	VARIABLE FREQUENCY DRIVE INSTALLATION	6,000									\$6,000
4.0	DASH HARDWARE AND SOFTWARE	16,000			432,253						\$448,253
5.0	ENERGY SAVINGS VERIFICATION	5,400									\$5,400
6.0	TECHNOLOGY TRANSFER ACTIVITIES	7,800									\$7,800
7.0	PRODUCTION READINESS PLAN	6,000									\$6,000
Technical Activities Subtotals		\$59,200	\$0	\$0	\$432,253	\$0	\$0	\$0	\$0	\$0	\$491,453
		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Match Funds Totals		\$92,200	\$0	\$0	\$432,253	\$0	\$0	\$0	\$0	\$0	\$524,453
Percentage of the Total		18%	0%	0%	82%	0%	0%	0%	0%	0%	100%