

Exhibit B  
Budget Details

**Direct Labor, Unloaded Hourly Rates**

Title / Job Classification	Maximum Rate to be Billed* (\$ / Hr)	Number of Hours	Original PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
Professional Level V (Dr Yaroslav Chudovsky)	\$ 80.99	590	\$ 31,182		\$ 17,198		\$ 48,380
Technical Level III (William Deaton)	\$ 30.37	462	\$ 4,054		\$ 3,900		\$ 7,954
Professional Level III (Gardner Hodge)	\$ 62.99	48	\$ 2,000		\$ -		\$ 2,000
Professional Level IV (David M. Rue)	\$ 78.74	473	\$ 4,613		\$ 8,947		\$ 13,560
<b>Technical Level I (Proposal budgeted at \$17.09/hr)</b>	<b>\$ 20.25</b>			\$ -	\$ -		\$ -
<b>Technical Level II (Proposal budgeted at \$17.99/hr)</b>	<b>\$ 22.50</b>			\$ -	\$ -		\$ -
<b>Technical Level III (Proposal budgeted at \$22.94/hr)</b>	<b>\$ 30.37</b>	<b>96</b>		<b>\$ 2,407</b>	<b>\$ 3,900</b>		<b>\$ 6,307</b>
<b>Technical Level IV (Proposal budgeted at \$27.28/hr)</b>	<b>\$ 33.75</b>			\$ -	\$ -		\$ -
<b>Technical Level V (Proposal budgeted at \$29.43/hr)</b>	<b>\$ 36.00</b>			\$ -	\$ -		\$ -
<b>Professional Level I (Proposal budgeted at \$25.40/hr)</b>	<b>\$ 33.75</b>			\$ -	\$ -		\$ -
<b>Professional Level II (Proposal budgeted at \$2.27/hr)</b>	<b>\$ 44.99</b>			\$ -	\$ -		\$ -
<b>Professional Level III (Proposal budgeted at \$40.07/hr)</b>	<b>\$ 62.99</b>	<b>223</b>		<b>\$ 9,176</b>	\$ -		<b>\$ 9,176</b>
<b>Professional Level IV (Proposal budgeted at \$49.86/hr)</b>	<b>\$ 78.74</b>	<b>72</b>		<b>\$ 3,825</b>	<b>\$ 8,947</b>		<b>\$ 12,772</b>
<b>Professional Level V (Proposal budgeted at \$56.14/hr)</b>	<b>\$ 80.99</b>	<b>393</b>		<b>\$ 23,196</b>	<b>\$ 17,198</b>		<b>\$ 40,394</b>
<b>Professional Level VI (Proposal budgeted at \$66.31/hr)</b>	<b>\$ 82.12</b>			\$ -	\$ -		\$ -
<b>Professional Level VII (Proposal budgeted at \$77.52/hr)</b>	<b>\$ 92.24</b>			\$ -	\$ -		\$ -
<b>Administrative (Proposal budgeted at \$38.48/hr)</b>	<b>\$ 41.62</b>			\$ -	\$ -		\$ -
<b>Total Direct Labor</b>			<b>\$ 41,849</b>	<b>\$ 38,604</b>	<b>\$ 30,045</b>	<b>-\$3,245</b>	<b>\$ 68,649</b>

\* Maximum salary rates are caps: PIER will not reimburse at a higher rate over the term of the project.

**Fringe Benefits**

Title / Job Classification	Maximum % Rate to be Billed*	Base (Typically Total Direct Labor)	Original PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
All Classifications are billed at the same rate	45%	\$38,604	\$ 17,786	\$ 16,407	\$ 12,769	\$ 1,379	\$ 29,176
<b>Total Fringe Benefits</b>			<b>\$ 17,786</b>	<b>\$ 16,407</b>	<b>\$ 12,769</b>	<b>-\$1,379</b>	<b>\$ 29,176</b>

\* Maximum fringe benefit rates are caps: PIER will not reimburse at a higher rate over the term of the project.

**Travel\*\***

Location	Purpose	Number of Trips	People per Trip	Original PIER Share*	PIER Share Amd. #1*	Match Share	Change in Amd. #1	Total Cost
Chicago IL- Sacramento CA	Kick-off Meeting	1	2	\$ 1,867	\$ 1,867	\$ -	\$ -	\$ 3,734
Chicago IL- Oxnard CA	Site Visit	1	2	\$ 2,168	\$ 2,168	\$ -	\$ -	\$ 4,336
Chicago IL- Oxnard CA	Review Meeting	1	2	\$ 2,168	\$ 2,168	\$ -	\$ -	\$ 4,336
Chicago IL- Oxnard CA	Final Meeting	1	2	\$ 2,168	\$ 2,168	\$ -	\$ -	\$ 4,336
<b>Chicago IL-Denver, CO</b>	<b>HMX Acceptance Testing</b>	<b>1</b>	<b>2</b>	<b>\$ 3,908</b>	<b>\$ 3,908</b>	<b>\$ -</b>	<b>\$ 3,908</b>	<b>\$ 12,279</b>
<b>Total Travel</b>				<b>\$ 8,371</b>	<b>\$ 12,279</b>	<b>\$ -</b>	<b>\$ 3,908</b>	<b>\$ 12,279</b>

\* PIER Share: Travel is reimbursed at State rates. Higher travel costs can count as Match Share.

\*\* Trips listed as "to be determined (TBD)" require advanced written approval from Commission Project Manager.

**Equipment**

Item	Quantity	Unit Cost	PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Equipment</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Materials, Supplies**

Item	Quantity	Unit Cost	Original PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
K-type thermocouples with	12	\$ 200.00	\$ 1,200	\$ 1,200	\$ 1,200	\$ -	\$ 3,600
Mass Flow Meters/Controllers	4	\$ 1,000.00	\$ 1,000	\$ 1,000	\$ 3,000	\$ -	\$ 5,000
Data acquisition system	1	\$ 3,200.00	\$ 1,000	\$ 1,000	\$ 2,200	\$ -	\$ 4,200
Connection fittings	12	\$ 50.00	\$ 300	\$ 300	\$ 300	\$ -	\$ 900
Valves	6	\$ 150.00	\$ 900	\$ 900	\$ -	\$ -	\$ 1,800
Data collection/storage media	6	\$ 150.00	\$ 600	\$ 600	\$ 300	\$ -	\$ 1,500
<b>Total Materials and Supplies</b>			<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 7,000</b>	<b>\$ -</b>	<b>\$ 17,000</b>

**Contractual**

Subcontractor Name	Purpose	Original PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
CA-based DVBE (TBD) - <b>Bedrosian &amp; Associates</b>	Marketing plan development & demonstration advertisement among CA food processors	\$ 12,000	\$ 12,000	\$ -	\$ -	\$ 12,000
Manufacturer (TBD) - <b>Idalex Technologies Inc.</b>	HOME Fabrication	\$ 125,000	\$ 121,092	\$ -	-\$3,908	\$ 121,092
Deaton LLC <b>Gills Onions</b>	Application selection support, Data analysis & representation, and Market path recommendations	\$ 7,000	\$ 7,000	\$ -	\$ -	\$ 7,000

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G. Aronehik <b>Bedrosian &amp; Associates</b>	Modeling and data processing support	\$ 7,200	\$ 7,200	\$ -	\$ -	\$ 7,200
<b>Mark Khinkis</b>	<b>Concept Review, Data Analysis support, &amp; Market consulting</b>		<b>\$ 10,600</b>	\$ -	10600	<b>\$ 10,600</b>
<b>Total Contractual</b>		\$ 151,200	<b>\$ 157,892</b>	\$ -	\$6,692	<b>\$ 157,892</b>

**Miscellaneous**

Item	Purpose	Original PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
National Instruments base, main and 8-channel data acquisition modules with programming services	To collect and process the data during the testing	\$ 17,000	\$ 17,000	\$ -	\$ -	\$ 34,000
System framework	To install and assemble the test system	\$ 6,000	\$ 6,000	\$ -	\$ -	\$ 12,000
Wastewater preparation system	To simulate the wastewater for testing purposes	\$ 12,000	\$ 12,000	\$ -	\$ -	\$ 24,000
<b>Total Miscellaneous</b>		\$ 35,000	\$ 35,000	\$ -	\$0	\$ 70,000

**Overhead**

Name of Overhead	Overhead Base*	Maximum % Rate to be Billed**	Base Cost	Original PIER Share	PIER Share Amd. #1	Match Share	Change in Amd. #1	Total Cost
Labor Overhead (Proposal budgeted at 129%)	Direct Labor, Fringe Benefits	137%	\$ 29,635	<del>\$ 76,928</del>	<b>\$ 70,957</b>	\$ 55,229	-5971	\$ 126,186
General & Administrative (Proposal budgeted at 19%)	Direct Labor, Fringe Benefits, Labor Overhead, Travel, Materials & Supplies, Equipment, Subcontracts (Contractual), Miscellaneous	25%	\$ 336,134	<del>\$ 63,866</del>	<b>\$ 63,862</b>	\$ 19,957	-4	\$ 83,819
<b>Total Overhead</b>				\$ 140,794	<b>\$ 134,819</b>	\$ 75,186	-5975	\$ 210,005

\* 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.