LIGHT EMITTING DIODE (LED) TRAFFIC SIGNAL REPLACEMENT PROGRAM

1. Please fill in the table below as it relates to your City / Agency:

<table>
<thead>
<tr>
<th>Questions</th>
<th>Total Signals</th>
<th>Signals with LED Lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of traffic signals</td>
<td></td>
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<tr>
<td>Total number of traffic signals with pedestrian indicators?</td>
<td></td>
<td></td>
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<tr>
<td>Anticipated total number of traffic signals by May 2005?</td>
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<tr>
<td>Anticipated total number of traffic signals by May 2006?</td>
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</tbody>
</table>

2. Assuming no additional federal funds will be made available, what year do you anticipate 90 percent deployment of LED lamps within your agency? ________

3. Has your agency quantified any energy savings from LED equipment you have installed? If yes, please specify in dollars and kilowatt-hours.

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4. Has your agency assessed the average life span from LED equipment you have installed? If yes, please specify.

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5. Has your agency experienced installation or maintenance challenges unique to LED equipment? If yes, please explain.

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6. Is it your agency’s standard practice to replace traditional incandescent bulbs with LED lamps as incandescent bulbs go out? Please specify your standard practice for both vehicular and pedestrian indicators.
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7. Is it your agency’s standard practice to use LED signals as new signals are installed?
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8. Does your agency have any additional practice or policy for replacing/repairing traditional incandescent bulbs in traffic signals with LED lamps? If yes, please provide details.
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9. An important part of this project is to explore alternative financing options. Has your agency considered any financing proposals to deploy LED lamps? If yes, please specify general terms of financing proposals.

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10. Has your agency developed any specifications for implementation of traffic signal LED lamps? If yes, would your agency be willing to share these with the region?

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11. How much is your agency currently paying for electricity per month to operate your traffic signals? When will your contract be up for renewal?

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Survey completed by: Agency_______________________________ Date_____________
Name_______________________________
Phone___________________ Email________________________