

## President's Message

An often heard phrase in our language is, "We've always done it this way." This statement could be interpreted to mean that it is acceptable to continue current activities whether they are right or wrong – or could indicate a resistance to change and moving toward future improvements. In the business world, neither interpretation is acceptable.

Every good business's goal is perfection – deliver the best product or service available, and act in the customer's best interest. Jersey Infrared Consultants strive for perfection in all of our work. By working with clients to schedule projects under the best conditions, use state-of-the-art equipment, and provide accurate, timely reports, we look to provide clients with the best service possible.

A progressive firm should be a leader in their industry – moving forward and improving services should be welcomed innovations. Educating our staff, providing information for our clients, working to write industry standards, and participating in technical committees and organizations are some of the ways Jersey Infrared Consultants are embracing the future.

It is our goal to "Continue to improve the way it's done".

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## Links to Technical Resources

Over the last several years, Jersey Infrared Consultants have been working to improve our website. Like most websites, there is information about our firm and our services; however, we believe it is important to provide technical information that is useful to anyone researching commercial and industrial infrared inspections. Below are some of the most visited informational pages:

[Checklist for Infrared Electrical System Surveys](#)

[Required Conditions for an Infrared Flat Roof Moisture Survey](#)

[Common Flat Roof Moisture Tests Comparison Chart](#)

[Infrared Windows 101](#)

[FAQs about Infrared Photovoltaic System Surveys](#)

[FAQs About InfraSonic™ Steam System Surveys](#)

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## Are Your Solar Panels Saving the Max \$\$\$?

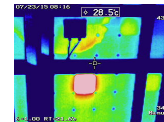
The decision to install solar panels may be influenced by dollars saved through tax breaks or "Green" incentives, or the main reason . . . to lower energy costs. Calculations are based on the payback and energy cost savings assuming that ALL solar panels are working at 100% efficiency.

Typical problems detected during an Infrared Photovoltaic System Survey include:

- Defective cells within panels
- Faulty wiring or equipment
- Partially shaded or obstructed panels

- Debris or dirt on the panels

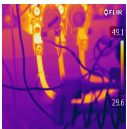
Quality assurance inspections of new installations as well as routine maintenance inspections of a Photovoltaic System can improve efficiency and reduce maintenance costs, allowing your facility to save more money.



### [More information](#)

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## IR Inspections of Emergency Equipment



UPS systems and emergency generators are common defenses for facilities where uninterrupted electrical power is critical. While most facilities perform IR inspections of their electrical distribution systems at least annually, many fail to inspect or incorrectly inspect their emergency equipment. When performing infrared inspections of emergency systems be sure to:

- Include all Automatic and Manual Transfer Switches.
- Inspect switches in both normal and emergency positions.
- Inspect UPS system controls, switchgear, battery cells, battery bus and wiring.
- Battery cell temperatures should be the same between cells with no hot spots on individual cells.
- Have adequate load on the subject emergency circuits. This may be accomplished with normal facility load or by utilizing a load bank.

To help you prepare for your upcoming Infrared Electrical System Survey, download our [Electrical Equipment Checklist for IR Surveys](#) .