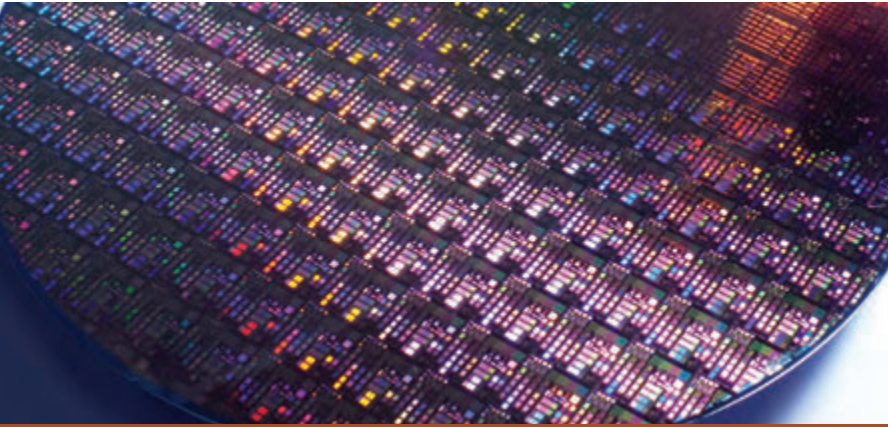


# Energy Management Success Story



## Jazz Semiconductor



Michael D. Jue, P.E.,  
Jazz Facilities  
Engineer Specialist

### Jazz Semiconductor Makes Energy Management a Bottom-Line Asset

Heating, cooling, lighting and process-related energy uses are significant components of California companies' operating costs, and much of this cost is from wasted energy. Highly successful businesses have proven that sound energy management not only saves direct costs, but also supports increased productivity, improved sales, improved process reliability and an enhanced image in the marketplace. Increasingly, financial analysts, institutional and private investors, the press and the public at large all take a company's skill at improving its energy performance into account in evaluating its worth. The bottom line? Energy management contributes in numerous ways to the overall value of a company, and some of the best California companies have turned their energy management challenges into strategic advantages.

#### Managing Energy Wisely: Standard Procedure at Jazz

Jazz Semiconductor of Newport Beach, a semiconductor wafer manufacturer serving high performance applications, has built energy management into the heart of its company culture and

process design. The company's globally competitive but energy-intensive operations run 24/7 in a highly renovated, forty-five-year-old, 100,000+ square-foot plant. The results speak for themselves: consistent annual reductions in overall energy usage while maintaining strict production specifications, and millions of dollars in aggregate savings and cash rebates for retrofit, replacement and new construction projects.

#### The Savings Continue

An internal cost-reduction team helped Jazz collaborate for successful energy management with partner companies and vendors. Jazz participated in Customized Solutions from Southern California Edison (SCE) for retrofit and replacement projects, and in SCE's Savings by Design Program (SBD) for new construction projects. In one year, Jazz completed projects that improved the performance and energy efficiency of air, water and process and production equipment systems, thereby reducing consumption of water, compressed air, and electricity throughout its plant. These efforts earned Jazz California's Flex Your Power Award.

#### Estimated Savings by Managing Energy

- *Location:* Newport Beach, CA
- *Industry:* Manufacturing
- *SCE Programs Utilized:* Express Solutions, Customized Solutions, Savings by Design
- *Results:* Improved performance of building and process equipment for energy savings of more than 17,000,000 kWh and reduced load of 1,990 kilowatts; received incentives of over \$800,000; achieved estimated energy savings equating to more than \$500,000 annually

ESTIMATED ANNUAL SAVINGS  
**\$500,000+**

# Energy Management Success Story

Jazz Semiconductor Makes Energy Management a Bottom-Line Asset

The Customized Solutions program offers financial incentives to offset the capital cost of installing healthy energy-efficient equipment or systems. Project examples may include common retrofits like lighting, HVAC and refrigeration upgrades, or more specialized process improvements and customized equipment replacements. Retrofits or new equipment installations are eligible. Incentives are based on the type of equipment installed and the kilowatt-hours saved over a 12-month period.

Savings By Design provides project assistance and financial incentives for the design and construction of energy-efficient buildings and installation of high-efficiency building systems.

But Jazz isn't resting on its laurels. "We regularly attend classes on energy management at SCE's Customer Technology Application Center (CTAC)," Michael Jue says. "Any idea that can save us money is valuable to our future," Jue concludes. "No one can afford to be wasteful of energy in this economy."

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Michael D. Jue, P.E., Jazz Facilities Engineer Specialist

## Earn Even More Savings with Other SCE Offerings

Southern California Edison offers a range of energy management solutions to help you better manage your electricity costs.

- Purchase qualifying energy-efficient equipment or technologies and receive incentives and rebates through SCE's Express and Customized Solutions.  
**(800) 736-4777**  
[www.sce.com/Express\\_Solutions](http://www.sce.com/Express_Solutions)  
[www.sce.com/Customized\\_Solutions](http://www.sce.com/Customized_Solutions)
- Save more with SCE's Demand Response Programs which offer low cost ways to reduce your electrical bill for agreeing to temporarily reduce electricity usage during peak hours.  
**(866) 334-7827**  
[www.sce.com/drps](http://www.sce.com/drps)
- Use Web-based tools such as SCE EnergyManager® Basic, SCE Cost Manager® and SCE Bill Manager® to monitor and track your electricity usage.  
**(888) 462-7078**  
[www.sce.com/energymanager](http://www.sce.com/energymanager)

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