Be a clean, lean, green company.

How Fast DR benefits your company.
What Fast DR means for Hawaii’s clean energy future.

“This program will help reduce our energy costs so more funds can go directly to caring for our young patients.”
Andi Kubota
Shriners Hospitals for Children®—Honolulu

“For Starwood Hotels & Resorts in Waikiki, Fast DR helps us go one step further in our green initiatives by improving and creating a more reliable electrical grid.”
Eric Au, Area Director of Engineering and Sustainability—Hawaii
Starwood Hotels & Resorts

“BYU-Hawaii is pleased to manage electricity costs through this program, helping us offer an affordable and high-quality education to our students.”
David Lewis, Vice President
BYU—Hawaii

“Admiral Thomas is looking forward to participating in the program to make Oahu greener and our grid more efficient.”
Russell Kulinski, General Manager
Admiral Thomas condominium

“Allure Waikiki is taking the initiative, through the Fast DR program, toward Island Sustainability.”
Fernando Bastos, ARM®, B.O.C.®, M.B.A.
General Manager
Allure Waikiki AOUO

For more information, call Fast DR at 94-POWER (947-6937).
Watch our DR Webinar at dr.heco.com.

Track your energy usage
As a participant in the Fast DR program, you will have your own portal on the Fast DR website that will let you see how much energy your building is consuming every day. You can also track your load reduction during an event.

<table>
<thead>
<tr>
<th>Event</th>
<th>Baseline</th>
<th>Telemetry</th>
<th>Shed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire Day</td>
<td>Avg (KW)</td>
<td>Total (KWH)</td>
<td>Avg (KW)</td>
</tr>
<tr>
<td></td>
<td>7.05</td>
<td>17,675.44</td>
<td>4.81</td>
</tr>
<tr>
<td>During Event</td>
<td>1,155.75</td>
<td>577.88</td>
<td>939.70</td>
</tr>
</tbody>
</table>

Event: 30-minute event
Funding is provided to offset the cost of implementing any required load management equipment. (The monthly cost of the new phone line will not be covered.)

• Potential Building Management System upgrades are available.
• Potential Monitoring and Central Equipment upgrades are available.

Fast DR provides access to a secure website showing energy use data, demand response event history, and opt-out processing to temporarily withdraw from participation, either before or during a DR event.

**How do you qualify?**

Any commercial or industrial customer able to commit a minimum of 50 kW for demand reduction is eligible for Fast DR. Final enrollment will depend on results of a Technical Audit that includes evaluating the facility energy profile and recommending DR load plans.

**What is Demand Response?**

Demand response (or DR) is a partnership between customers and the electric utility in which customers reduce electricity use (or demand) in response to requests from the utility. In return, the utility rewards customers who are willing to temporarily reduce electricity use.

**What is Fast DR?**

Fast DR is designed to reduce electricity demand in near real time in response to grid changes, such as unexpected spikes in energy use, when electricity generation may not be sufficient to meet peak load, or sudden drops in wind or solar generation. For commercial and industrial customers who qualify, Hawaiian Electric places automatic or semi-automatic controllers on non-essential equipment.

While Fast DR requires some automation, customers always maintain complete control and can opt out of having their demand impacted at any time. Participating customers may not rely on backup generation during demand reductions.

**How does your company benefit from Fast DR?**

Customers receive monthly incentive payments.

If customers are able to designate the minimum load requirement of 50kW, they will receive a yearly incentive of $3,000 or $6,000 (depending on nominated Annual DR Event Frequency of 40 or 80 events). Incentives are also based on customers’ participation levels during DR events.

Energy reduction incentives are calculated for each DR event. Incentives are based on the amount of energy a customer would have used (10-day Average Baseline) had the event not been triggered compared to the actual energy reduction. For each hour that energy is not consumed, the customer earns an added 50 cents per kW.

- A free, no-obligation evaluation will be performed to determine your facility’s demand response opportunities.
- Free Preliminary Assessment and Technical Audit.

**Typical loads to be reduced:**

- Any non-essential process or equipment
- HVAC use
- Non-essential indoor and outdoor lighting, signage or window displays
- Fountains, saunas, pool or hot tub heating and pumps
- Excess elevator banks or escalators (as permitted)

**Installation Assistance**

- Allowance for Building Upgrades
- Technical Audit
- Preliminary Assessment and/or audits
- Assistance in performing the assessments and/or audits
- Assist Hawaiian Electric in performing the assessments and/or audits
- Reduced Electric Bills
- Bill Credit
- Energy Reduction Incentive
- Installation Assistance
- Access via the Web

**Fast DR Basics**

- Load reduction must be available for a minimum of 10 hours between 7 am and 9 pm weekdays (excluding federal/state holidays).
- A DR event may last at most one hour.
- Loads must be reduced within 10 minutes of event notification.
- Your incentive is $5 per kW/month when you participate in 0-40 events annually. It decreases to $30 per kW/month for a commitment to 41-80 events annually.
- 3 opt-outs permitted without penalty per year.

**Fast DR Step-by-Step**

1. Schedule a Fast DR presentation, Preliminary Assessment and/or Technical Audit
2. Assistant Hawaiian Electric in performing the assessments and/or audits
3. Review audit findings and decide if program benefits are worthwhile
4. Develop DR response load-reduction plans
5. Determine equipment, software requirements, and upgrades
6. Sign Fast DR agreement with Hawaiian Electric
7. Arrange for installation of load reduction equipment, enablement, testing, and commissioning
8. Begin collecting monthly participation incentives