

TURN OFF LIGHTS WHEN ROOMS ARE VACANT. USE RECYCLED OR FSC CERTIFIED PAPER AT WORK. TURN OFF COMPUTERS, PRINTERS AND COPIERS WHEN NOT IN USE. RECYCLE AS MUCH AS YOU CAN. TAKE ACTION: VOLUNTEER FOR A GREEN ORGANIZATION. PLANT TREES. CHANGE THE OIL IN YOUR CAR REGULARLY. BUY RECHARGEABLE BATTERIES. TURN DOWN YOUR THERMOSTAT WHEN AWAY OR AT NIGHT. USE COLD WATER TO WASH CLOTHES. WRAP YOUR WATER HEATER IN AN INSULATION BLANKET. PACK LIGHT WHEN YOU TRAVEL. BOOK ECO-FRIENDLY HOTELS. USE A DIGITAL CAMERA. RENT SMART ECO-FRIENDLY CARS. MAKE YOUR OWN OR BUY GREEN CLEANING PRODUCTS. RECYCLE OLD ELECTRONICS, CELL PHONES AND TVS. CLEAN OR REPLACE THE FILTER ON YOUR HVAC SYSTEM OR FURNACE. INSULATE AND SEAL THE DUCTS IN YOUR HOME. REPLACE YOUR OLD WATER HEATER. OPEN WINDOWS AND USE FANS AT NIGHT TO COOL YOUR HOME. SAVE COOKING ENERGY BY USING A CROCK POT. CUT DOWN ON OVEN USE. TRY THE MICROWAVE OR TOASTER OVEN. CLEAN THE COILS ON YOUR REFRIGERATOR. DON'T LET YOUR CAR'S ENGINE IDLE FOR LONG PERIODS.

EVERY DAY YOU MAKE A CHOICE

USE A PROGRAMMABLE THERMOSTAT. PROPERLY INFLATE YOUR TIRES TO IMPROVE YOUR GAS MILEAGE. STOP DELIVERY OF PHONE BOOKS TO SAVE LANDFILL WASTE. SHARE POPCORN AT THE MOVIES TO SAVE PACKAGING. CARPOOL FOR YOUR COMMUTE. REPLACE INCANDESCENT BULBS WITH COMPACT FLUORESCENT BULBS. WORK FROM HOME PART TIME. SAY NO TO ATM RECEIPTS. BUY ORGANIC FOODS. BUY REUSABLE CLOTH SHOPPING BAGS. DRIVE LESS BY COMBINING ERRANDS. DRIVE A HYBRID CAR. MAKE YOUR HOME MORE ENERGY EFFICIENT. DRIVE THE SPEED LIMIT TO SAVE GAS. INSTALL LOW-FLOW SHOWERHEADS AND TAPS. PLANT DECIDUOUS TREES TO THE SOUTH OF YOUR HOUSE FOR SUMMER SHADE AND WINTER LIGHT. ADD INSULATION TO YOUR ATTIC AND ROOF. ADD A RAINWATER TANK OR GRAYWATER DIVERSION SYSTEM. ADD ADJUSTABLE SLIDING SHUTTERS ON YOUR BALCONY TO REDUCE DIRECT SUN. REDUCE DIRECT SUN ON YOUR AIR CONDITIONER. TAKE A BUCKET INTO THE SHOWER TO WATER PLANTS LATER. CONSIDER A GRAYWATER RECYCLING SYSTEM. TAKE YOUR OWN REUSABLE DRINKING CUP TO WORK. USE RECYCLED GLASS TILES, STRAWBOARD AND OTHER ECO MATERIALS WHEN REMODELING. SUPPLEMENT YOUR HOME ELECTRICITY WITH SOLAR ENERGY.

**Kawneer
Sustainable
Solutions**

Architectural Aluminum Systems
Entrances + Framing
Curtain Walls
Windows



 **KAWNEER**
AN ALCOA COMPANY

MAKE A
CHOICE
THAT
COUNTS

Every day, you have an opportunity to live and work by example. To be practical and responsible. To make a contribution to the environment, the community and a brighter future.

Sustainability starts with you, your vision, your work. As the industry's leading source for architectural aluminum products and systems, Kawneer is committed to providing high-performance, sustainable solutions and continuing to challenge the status quo — all while practicing social and environmental responsibility. We strive every day to develop solutions that promote integrated, sustainable building practices. Every day, you make a choice. And Kawneer's sustainable solutions and products can help you make a choice that counts.



MAKE A CHOICE TO RECYCLE



AND TO USE RECYCLABLE PRODUCTS

RECYCLED MATERIALS & SUSTAINABLE PRODUCTS

Kawneer's passionate commitment to sustainability is the foundation for our product line, which is comprised of aluminum — one of the earth's most plentiful recyclables.

As a sustainable building material, aluminum is highly efficient. Recycled aluminum is identical to smelted aluminum, but requires only 1/20 of the energy to manufacture. Less energy means less carbon dioxide and fewer greenhouse emissions. And unlike other materials in the recycling stream, aluminum can be recycled repeatedly.

Our portfolio of thermal and solar products delivers optimum energy performance without compromising aesthetics. From entrances and framing systems to windows and curtain wall systems, Kawneer offers strong and versatile solutions that reduce energy demand and environmental impact — conserving valuable natural resources.

Our Photovoltaic (PV) products, which create on-site renewable energy, capture and convert light energy from the sun into electricity. Our other sunshade products work to shade interiors, reducing solar heat gain. Designed for quick, easy installation, many of our products help conserve energy while providing climate, wind and acoustic protection — all solid choices suitable for most any building application.

We also offer regular AIA-registered Continuing Education System (CES) programs that focus on green construction and renewable energy through architectural aluminum products and systems.

Kawneer is leading the way with inspired design and the strength of an integrated product portfolio — one that unifies enviable aesthetics, world-class engineering and dedicated environmental responsibility.



1600 PowerShade® Photovoltaic (PV) cells in the 1600 PowerShade® convert light energy from the sun into electricity, which can be fed into the building's system. On-site renewable energy reduces the environmental impact associated with the use of fossil fuels.



1600 SunShade® Designed to shade interiors and optimize energy performance by reducing solar heat gain, 1600 SunShade® works with 1600 curtain wall to allow greater use of glazing while reducing demand on the HVAC system.

For more details on our full range of products, please visit kawneer.com.



ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

North Little Rock, Arkansas, USA

An agency dedicated to protecting the state's natural resources, the Arkansas Department of Environmental Quality (ADEQ) has received LEED Gold Certification for its headquarters in North Little Rock. The six-story building features an impressive curtain wall, which creates an open design and allows sunlight to penetrate nearly all areas of the building. High-performance sunshades, framing and entrances also contribute to the facility's reduced energy consumption.

ARCHITECTS

Taggart Foster Currence Gray Architects, Inc.,
North Little Rock, Arkansas, USA

Williams & Dean Associated Architects,
Little Rock, Arkansas, USA

GLAZING CONTRACTOR

ACE Glass Co., Inc.,
Little Rock, Arkansas, USA

PRODUCTS

1600 Wall System®2
350 Medium Stile Entrances
1600 SunShade®
Trifab® VG 451T (Thermal) Framing
Trifab® 400 Framing



**GEISINGER CENTER
FOR HEALTH RESEARCH**

Danville, Pennsylvania, USA

This facility, which earned a LEED Silver Certification, features an intricate design created by extending the mullion on the curtain wall. This innovative use of materials added a visual element and kept material costs low.

ARCHITECT

EwingCole, Philadelphia,
Pennsylvania, USA

GLAZING CONTRACTOR

King Glass Co., Exeter,
Pennsylvania, USA

PRODUCTS

1600 Wall System*1
1600 Wall System*2
Trifab® VG 450 Framing
350 Tuffline® Entrances



**CHILDREN'S HOSPITAL
OF PITTSBURGH OF UPMC**

Pittsburgh, Pennsylvania, USA
(photographed while under construction)

Currently seeking LEED Certification for its clinical services building, the Children's Hospital of Pittsburgh utilizes a range of products that maximize daylighting and thermal performance, including curtain wall, sunshades and thermally broken windows and doors.

ARCHITECT

Astorino, Pittsburgh, Pennsylvania, USA

GLAZING CONTRACTOR

D-M Products, Inc., Bethel Park,
Pennsylvania, USA

PRODUCTS

1600 Wall System*1
8225TL ISOLOCK® Windows
1600 SunShade®
1600 S.G. (Sloped Glazing)
Trifab® VG 450 Framing
Trifab® VG 451T (Thermal) Framing
560 Insulclad® Entrances
500 Wide Stile Entrances
Flushline® Entrances



MAKE A CHOICE TO CONSERVE ENERGY



AND TO OPTIMIZE ENERGY PERFORMANCE

LEED CERTIFICATION

Kawneer is dedicated to developing products and systems that comply with LEED (Leadership in Energy and Environmental Design) standards and promote integrated, whole-building design practices.

As part of that commitment, Kawneer is a member of the U.S. Green Building Council (USGBC), the nonprofit group that developed LEED and works to promote buildings that are environmentally responsible and profitable.

In addition to the range of products that can contribute to LEED points across several categories, Kawneer's Architectural Services Team (AST) is also available to assist with the LEED Certification process. Our team of experts can help identify and select Kawneer products that can qualify for LEED points. Points for the Innovation and Design Process category are possible by documenting project development with AST via the Internet, thus saving energy in a paperless environment. All of Kawneer's products are offered in a wide palette of solvent-free, powder coat paints to help improve air quality and lessen environmental impact associated with liquid paints.



Southeast Division Police Station
Edmonton, Alberta, Canada

Architect: IBI Group Architects, Engineers,
Edmonton, Alberta, Canada

Glazing Contractor: Cantech Glass Contracting Inc,
Edmonton, Alberta, Canada

Canada's Southeast Division Police Station in Edmonton is the first North American facility of its kind to achieve LEED Gold Certification. The police station spans the site and welcomes the public with its sloped Kawneer curtain wall façade at the foyer. Kawneer thermally broken windows cut heat loss and penetrate natural light and ventilation deep into the interior spaces, while sunshades help to reduce solar heat gain.

POTENTIAL LEED CREDIT AREAS WITH KAWNEER PRODUCTS AND SERVICES

To help architects navigate the complex LEED Certification process, Kawneer developed a LEED Planning Tool. To request a copy, contact your sales representative or visit kawneer.com.

OPTIMIZE ENERGY PERFORMANCE	ON-SITE RENEWABLE ENERGY	RECYCLED CONTENT	REGIONAL MATERIALS
1	2	4.1 / 4.2	5.1 / 5.2
Energy & Atmosphere	Energy & Atmosphere	Materials & Resources	Materials & Resources
<hr/>			
INCREASED VENTILATION	CONTROLLABILITY OF SYSTEMS: THERMAL COMFORT	DAYLIGHT AND VIEWS	INNOVATION IN DESIGN
2	6.2	8.1 / 8.2	1 - 1.4
Indoor Environmental Quality	Indoor Environmental Quality	Indoor Environmental Quality	Innovation & Design Process
<hr/>			



**HEIFER INTERNATIONAL
WORLD HEADQUARTERS**

Little Rock, Arkansas, USA

Achieving the first LEED New Construction (NC) Platinum rating in Arkansas, Heifer International Headquarters set a precedent of "green building" for the state. The innovative design maximizes daylighting with its solar orientation, use of curtain wall and light shelves, while custom sunshades serve as both functional and aesthetically pleasing features. Inside the building, strategic interior glazing keeps offices bright and open.

ARCHITECT

Polk Stanley Rowland Curzon
Porter Architects, LTD., Little Rock,
Arkansas, USA

GLAZING CONTRACTOR

ACE Glass Co., Inc., Little Rock,
Arkansas, USA

PRODUCTS

1600 Wall System*1
1600 SunShade®
InLighten® Light Shelf
Trifab® 400 Framing
350 Medium Stile Entrances
1010 Sliding Mall Fronts
990 Sliding Doors



PCL CENTENNIAL LEARNING CENTRE

Edmonton, Alberta, Canada

The first private-sector building in Alberta to achieve LEED Gold Certification, the PCL Centennial Learning Centre features high-performance, thermally broken curtain wall and triple-glazed units for maximum energy efficiency. Skylights add to improved daylighting within the facility.

ARCHITECT

Cohos Evamy intergratedesign™
Edmonton, Alberta, Canada

GLAZING CONTRACTOR

Beacon Glass Products Ltd.,
St. Albert, Alberta, Canada

PRODUCTS

7500 Wall®
2000 Skylight
360 Insulclad® Thermal Entrances
350 Medium Stile Entrances



FOSSIL RIDGE HIGH SCHOOL POUDRE SCHOOL DISTRICT

Ft. Collins, Colorado, USA

With LEED Silver Certification, Fossil Ridge is a gem in green design. Throughout the facility, operable windows maximize daylighting, provide natural ventilation and promote a healthy environment conducive to learning. The building's envelope is secure and energy efficient thanks in part to thermal framing and curtain wall.

ARCHITECT

RB+B Architects, Inc., Ft. Collins,
Colorado, USA

GLAZING CONTRACTOR

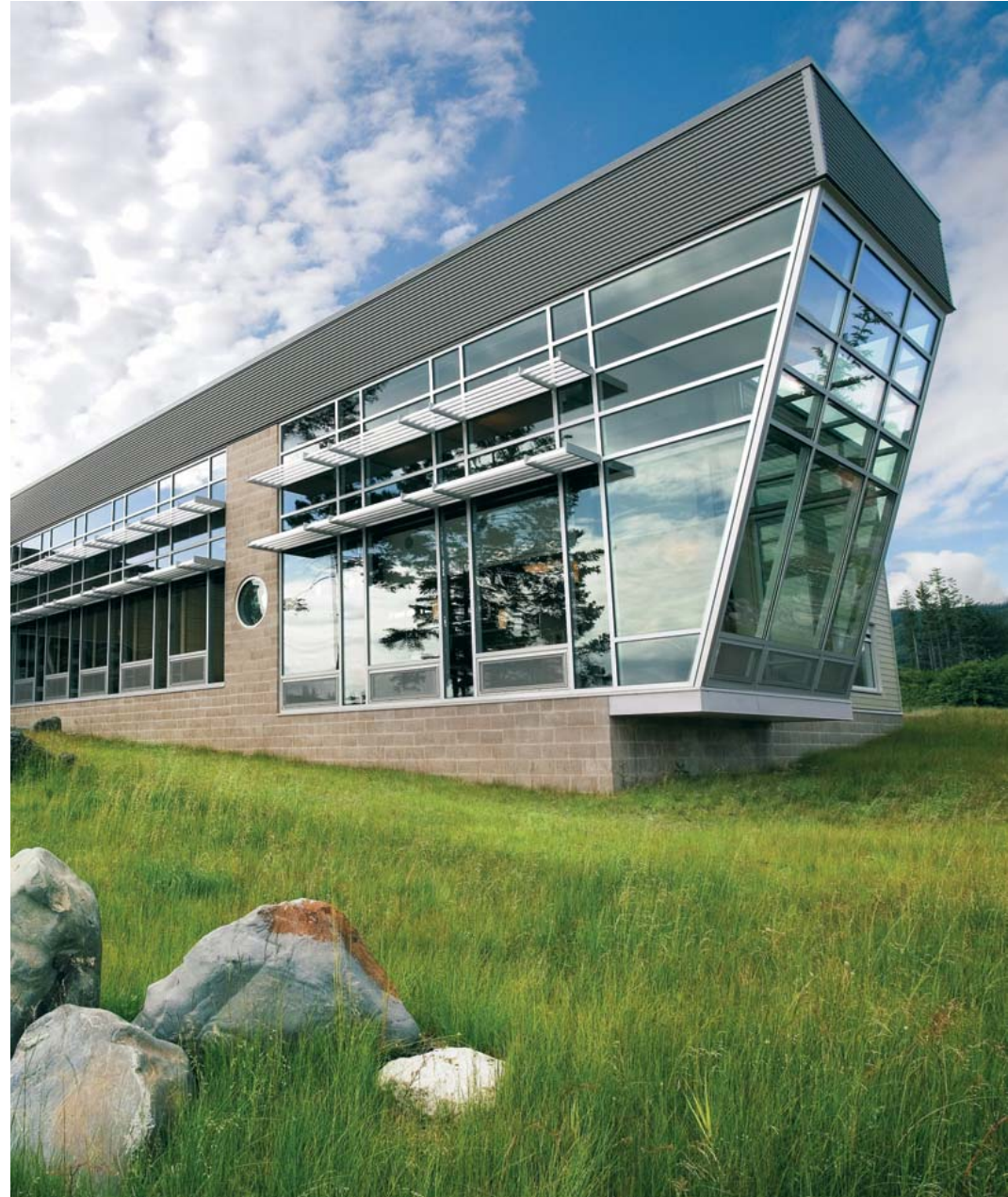
B&W Glass, Cheyenne, Wyoming, USA

PRODUCTS

1600 Wall System®1
Trifab® VG 451T (Thermal) Framing
500 Tuffline® Entrances
GLASSvents



MAKE A CHOICE TO PRESERVE THE NATURAL ENVIRONMENT



AND BUILD GREENER, SUSTAINABLE COMMUNITIES

SOCIAL & ENVIRONMENTAL RESPONSIBILITY

At Kawneer, we're serious about our role as environmental stewards. Our focus on sustainable solutions is constant, and we continue to work with a code of principles, practices and initiatives that minimizes the environmental impact of our products and daily operations.

Our sustainable initiatives are not simply related to our products, however. Many of them are invisible to our customers. For instance, we enforce a companywide mandate on the use of biodegradable packaging for our complete portfolio of products as well as the use of reusable containers for our chemicals and paint. Some of our other initiatives are more visible, like our decision to print our corporate collateral materials on either 100% recycled paper and/or Forest Stewardship Council (FSC) certified papers. Printing on FSC certified paper helps to promote environmentally appropriate, socially beneficial and economically viable forest management.

Kawneer's passionate commitment to sustainability along with our spirit of innovation are further evident with a forward-thinking system that is ahead of the curve. The rooftop at Kawneer's manufacturing facility in Visalia, California features a Photovoltaic (PV) solar-power system, which fulfills 80% of the facility's electricity needs during peak periods. Because the system generates clean, reliable and affordable solar electricity on an industrial scale, everyone benefits – our company, the community and the environment as a whole.

We also have the strength and support of our parent company, Alcoa. Consistently recognized as one of the world's most sustainable companies, Alcoa is a founding member of U.S. Climate Action Partnership (USCAP), a group of nine esteemed U.S. companies that work to support national legislation to significantly reduce greenhouse gas emissions.



Homer Public Library
Homer, Alaska, USA

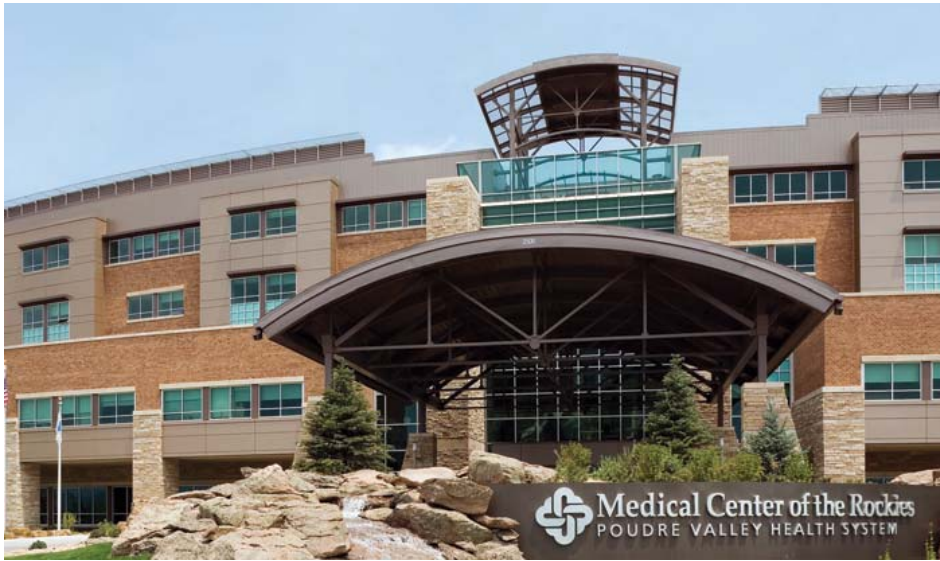
Architect: ECI/Hyer Architecture & Interiors,
Anchorage, Alaska, USA
Glazing Contractor: DoorsWindows Unlimited, Inc.,
Soldotna, Alaska, USA

Homer Public Library (pictured above and opposite page) was the first municipal building in Alaska to achieve LEED Silver Certification. The facility utilizes curtain wall and sunshades to maximize daylighting and reduce solar heat gain.



Kawneer's Visalia, California manufacturing facility serves as the host for DEERS Solution™, a patent-pending solar rooftop attachment system developed by DEERS. The system is owned and operated by Constellation Energy Projects & Services. The 588,000-watt Photovoltaic (PV)

solar-power system utilizes energy from the sun to generate electricity. In addition, more than 200 solar light tubes were installed to provide further daylighting and reduce energy costs.



MEDICAL CENTER OF THE ROCKIES

Loveland, Colorado, USA

The Medical Center of the Rockies is currently seeking LEED Gold Certification. The facility utilizes curtain wall, sunshades and light shelves to maximize daylighting and reduce solar heat gain.

ARCHITECT

Heery-HLM/design,
Denver, Colorado, USA

GLAZING CONTRACTOR

A-1 Glass, Inc., Englewood,
Colorado, USA

PRODUCTS

1600 Wall System®1
1600 SunShade®
InLighten® Light Shelf
GLASSvents
2250 IG (Inside Glazed)
Custom 350 Medium Stile Entrances



BROOKHAVEN NATIONAL LABORATORY, CENTER FOR FUNCTIONAL NANOMATERIALS

Upton, New York, USA

A two-story structure featuring laboratories, offices, training and conference facilities, the CFN is a LEED-registered project seeking Silver Certification. A large curtain-walled façade improves daylighting and user comfort.

ARCHITECT

HDR Architecture, Inc.,
Alexandria, Virginia, USA

GLAZING CONTRACTOR

Craftsman Storefronts and Glass, Inc.,
Bay Shore, New York, USA

PRODUCTS

1600 Wall System®1
350 Medium Stile Entrances

EVERY DAY
YOU MAKE
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MAKE A
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THAT
COUNTS

Kawneer is leading by example, championing the environment with inspired initiatives, both locally and globally. Every day, we're providing architects and building professionals with a bold portfolio of sustainable products that leverage the earth's most abundant recyclables. We are dedicated to delivering products, systems, tools and support to help you achieve your sustainable vision.

Ultimately, the solution starts with you. Every day you make a choice. Kawneer's sustainable solutions and products can help you make a choice that counts. Build for tomorrow. Build for life.



Printed using soy inks on paper that is 100% recycled, post-consumer fiber and made with windpower.

BUILD
FOR
TOMORROW
BUILD
FOR LIFE

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