

DISCOVER SOLAR RANCH AN FPL ECO-DISCOVERY CENTER

Solar Ranch – An FPL Eco-Discovery Center is the place to discover how energy from the sun is made into electricity, right here.

Florida Power & Light Company operates two large scale solar energy centers, which provide reliable power at the lowest possible cost to Babcock Ranch and all FPL customers. This center is a place to see, touch, and learn about solar technology and the clean energy it creates.

So come on in! Discover how sunlight produces electricity, and how solar panels are made. See how energy from the sun can even be used at night! Take the wheel to learn how electric vehicles make driving cleaner. And find out how solar energy helps the environment.



A Shared Vision
of Sustainable Living



DISCOVER SOLAR RANCH AN FPL ECO-DISCOVERY CENTER



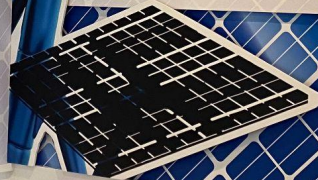
SOLAR RANCH
AN FPL ECO-DISCOVERY CENTER

A Shared Vision of Sustainable Living

Solar Ranch - An FPL Eco-Discovery Center is the place to discover how energy from the sun is made into electricity, right here.

Florida Power & Light Company operates two large-scale solar energy centers, which provide reliable power while keeping bills as low as possible for Babcock Ranch and all FPL customers. This center is a place to see, touch and learn about solar technology and the clean energy it creates.

So come on in! Discover how sunlight produces electricity, and how solar panels are made. See how energy from the sun can even be used at night! Take the wheel to learn how electric vehicles make driving cleaner. And find out how solar energy helps the environment!



A SUSTAINABLE
FOR

FPL and E
Humans a
Eco-Disc



Eobent

Follow the flow of a
river, track and
of their water
irreversible and
from space-based

LEARN and PLAY at SOLAR RANCH

AN FPL ECO-DISCOVERY CENTER

How solar benefits you and the environment
Learn how solar energy is made and reduces carbon emissions.



Take it to the top
Climb the observation tower to see thousands of solar panels in action.

Discover nature around you
Seek and find the plants and animals that thrive at Solar Ranch.

Design a sustainable community
Make energy choices and create your own community. See how your decisions have an impact.

See how solar provides clean energy to Babcock Ranch and all FPL customers

SPIN THE WHEEL
to see how clean energy technologies can work together.

Please touch!
Discover how solar panels work and the surprising materials they are made from.

Download your seek and find list using the QR code below.

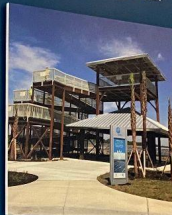
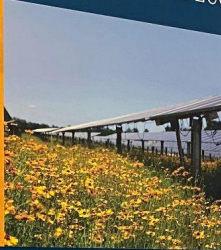
Then keep an eye out for all the plants and animals on the list!

LEARN and PLAY at SOLAR RANCH

AN FPL ECO-DISCOVERY CENTER

How solar benefits you and the environment

Learn how solar energy is made and reduces carbon emissions.



Take it to the top

Climb the observation tower to see thousands of solar panels in action.

Discover nature around you

Seek and find the plants and animals that thrive at Solar Ranch - An FPL Eco-Discovery Center.

Design a sustainable community

Make energy choices and create your own community. See how your decisions have an impact.

See how solar provides clean energy to Babcock Ranch and all FPL customers

SPIN THE WHEEL to see how clean energy technologies can work together.



Please touch! Discover how solar panels work and the exciting materials they are made from.



Download your mobile app and scan the QR code to learn more.



AM Solar

Where communities create a new future.



HOW A SOLAR PANEL IS MADE

Start with Sand and Bring the Heat

Solar panels are advanced technology, made from some of the most basic stuff on earth.

SAND

Sand is the main ingredient in solar panels. It's made from silicon, a common element found in sand.

BOARDS

The silicon is melted and pressed into thin, rectangular boards. These boards are then cut into individual solar cells.

Sunlight strikes the silicon surface of the solar panel, releasing electrons, which make electricity. This is called the photovoltaic effect. That's why solar panels are called solar panels.

HOW A SOLAR CENTER WORKS

THE BASICS



Sunlight strikes the surface of a solar panel, which releases electrons and other particles to form an electric current.

DC POWER
AC POWER

Take Sunny's Solar Center Tour!

FPL AND BABCOCK RANCH A Shared Vision for Clean Energy and Environmental Stewardship

FPL is leading one of the nation's largest solar expansions, delivering the benefits of Florida's abundant sunshine to all FPL customers and communities that Babcock Ranch.

With the success of this effort, FPL and Babcock Ranch are committed to protecting water, air and nature resources for future generations.

The development of Babcock Ranch led to the creation of the neighboring Babcock Ranch Preserve, 75,000 acres that will protect forever wild, within the ranch, over half of the land is green space.



Discover how FPL generates and delivers solar energy



Solar is a building block of our clean energy future

A clean energy future starts with solar.

Babcock Ranch has a vision for a clean energy future. FPL is committed to delivering clean energy to all customers, and we're committed to protecting water, air and nature resources for future generations.



EXIT

CREATING RESILIENCE

Florida Power & Light Company is committed to creating a resilient energy system that can withstand the challenges of a changing climate. This includes investing in advanced weatherization technologies, such as smart meters and advanced sensors, to help us better understand and respond to the needs of our customers.

Florida Power & Light Company is also committed to protecting the environment and the communities we serve. This includes investing in advanced environmental technologies, such as advanced water treatment and air quality monitoring, to help us better understand and respond to the needs of our customers.

HOW A SOLAR PANEL IS MADE

Start with Sand and Bring the Heat

Solar panels are advanced technology made from some of the most basic stuff on earth.



HOW A SOLAR CENTER WORKS

THE BASICS



Simply install the modules of a solar panel, which capture sunlight and convert it into electricity. The electricity is then sent to your home to power your appliances.

DO YOU WANT?
 To save money on your energy bills? To reduce your carbon footprint? To help the environment?

Take Sunny's Solar Center Tour!

FPL AND BABCOCK RANCH

A Shared Vision for Clean Energy and Environmental Stewardship

FPL is leading one of the nation's largest solar expansions, delivering the benefits of Florida's abundant sunshine to all FPL customers and communities via Babcock Ranch.

Key to the success of this effort, FPL and Babcock Ranch are committed to protecting water, air and natural resources for future generations.

The development of Babcock Ranch led to the creation of the regional Babcock Ranch Preserve, 73,000 acres that will remain forever wild. Within the town, over 50% of the land is green space.



Discover how FPL generates and delivers solar energy



GREEN ENERGY

Florida Power & Light Company is committed to providing clean energy solutions for our customers. This includes investing in advanced solar technologies, such as advanced solar panels and inverters, to help us better understand and respond to the needs of our customers.



WATER WORKS

Water is the source of a nation's energy. A nation's energy is directly related to how much water it has available. Because of the abundant supply of water, Florida's energy is one of the most abundant in the world.

Take Sunny's Solar Center Tour!

FPL AND BABCOCK RANCH

A Shared Vision for Clean Energy and Environmental Stewardship

FPL is leading one of the nation's largest solar negotiations, securing the benefits of Florida's abundant sunshine for all FPL customers and communities like Babcock Ranch.

For the success of this effort, FPL and Babcock Ranch are committed to protecting water, air and natural resources for future generations.

The development of Babcock Ranch led to the creation of the neighboring Babcock Ranch Preserve, 75,000 acres that will remain forever wild. Within the tract, over 50% of the land is green space.

Discover how FPL generates and delivers solar energy

Solar is a building block of our clean energy future

A clean energy future starts with solar. At Babcock Ranch, we're building a clean energy future for all.



LEARN and PLAY at SOLAR

AN FPL ECO-DISC

How solar benefits you and the environment

Learn how solar energy is made and reduces energy emissions.



Design a sustainable community

Make energy choices and create your own community. See how your decisions have an impact.

See how solar provides clean energy to Babcock Ranch and all FPL customers



What's the
IMPACT
of this solar
energy?

Lower carbon emissions is
the equivalent of removing
42,000 CARS
per year from Florida roads

Enough energy to
provide for the
energy needs of
28,000 HOMES
a year.

The same carbon reduction benefit of a
**FOREST THE SIZE OF
NEW YORK CITY**

How much solar energy is made at Babcock Ranch solar energy centers?

Touch here to see how much solar energy
is being generated for Babcock Ranch
and all FPL customers at the
two solar fields onsite.



CREATING RESILIENCY

The fastest way to recover
from a storm is to plan for one
before it happens. Babcock
Ranch was built with the
expectations that hurricanes
could strike the area. So here,
the majority of power lines that
deliver electricity are buried
underground. The battery
system on site provides extra
backup for all FPL customers
and for Babcock Ranch.



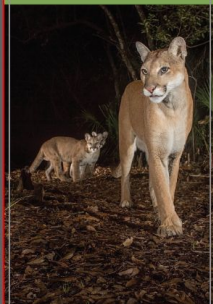
Thanks to resiliency planning
and FPL's investments to
strengthen its energy grid,
when Hurricane Ian blew
right through Babcock Ranch
as a Category 4 hurricane,
the community never lost
power. And not a single solar
panel was lost.





**ENDANGERED
SPECIES
THE FLORIDA
PANTHER**

The Florida Panther is a subspecies of the North American cougar and is primarily found within southern Florida. The panther was one of the first species on the Endangered Species List and is considered one of the rarest mammals on earth as it makes a long journey back from the brink of extinction.



Of the estimated 120-230 adult and subadult Florida Panther population, some call the preserves in Babcock Ranch their home.



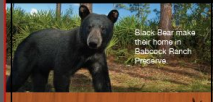
**MEET SOME
OF OUR
WILD
RESIDENTS**

The Roseate Spoonbill is one of many species that lives year-round at Solar Ranch - An FPL Eco-Discovery Center.

Discover more of our wildlife family below.



Black Bear make their home in Babcock Ranch Preserve





Discover more about the life cycle of butterflies.

Learn about the life cycle of butterflies.

MEET SOME OF OUR WILD RESIDENTS


The residents responsible for some of the many species that live year-round at Solar Ranch - An FPL Eco-Discovery Center.

Discover more of our wildlife family below.

Black Bear Photo by [unreadable]


Discover more about the life cycle of butterflies.

THOUSANDS OF SOLAR PANELS
working toward one common goal



When it was first completed, this battery was the largest combined solar-plus-storage system in the country at the time.

Keep track with the Bull



Visit [www.floridapartners.com](#) for more information.



ENDANGERED SPECIES
THE FLORIDA PANTHER

The Florida panther is a subspecies of the North American cougar and a primary focus of Florida Partners. This species was one of the first species on the endangered species list and is considered one of the world's most imperiled animals. It is native to the southern part of the state and is currently listed as a "strongly declining" species on the IUCN Red List.



Of the couple of hundred adult and subadult Florida Panthers in the wild, some call this preserve in DeSoto County their home.



path

GREEN HERON

This smaller heron commonly inhabits wetland marshes of cattails and cypress.

MARSH RABBIT

The marsh rabbit thrives in brackish and saltwater marshes rich with cattails and cypress.

LOOK UP!

Evening Bats are common in Florida. They form colonies of several to about eighty bats and can be found in buildings and other man-made structures.

ROSEATE SPOONBILL

Feather hunting in the nineteenth century almost drove the roseate spoonbill to extinction. Due to conservation efforts, their numbers have increased dramatically.

OSPREY

Often mistaken for the bald eagle, the osprey is a raptor species that hovers over the water before diving feet first to catch fish with their talons, giving them the nickname "fish hawks."

RACCOON

A very intelligent species with dexterous paws and opposable thumbs that help them grab a variety of food. Beware, these little bandits also enjoy tasty trash.

BALD CYPRESS

Bald Cypress can filter out excess nutrients and toxic pollutants in the water, including phosphorus and nitrogen from treated wastewater.

A DIVERSE ECOSYSTEM

Solar Ranch contains a diverse variety of ecosystems providing habitat for a wide-ranging number of species, including animals like the Great Egret and the Longear Sunfish.

CRAYFISH

Known to burrow into the muddy banks of waterways, crayfish are an important prey item for many animals in the region, including alligators and wading birds.

American Alligator

Alligator mississippiensis

x 50%

The majority of American alligators inhabit Florida and Louisiana, with over a million alligators in each state.

Pickrel Weed

Pontederia cordata

An aquatic native found throughout Florida, usually in shallow wetland areas or around the edges of lakes and ponds.

Great Blue Heron

Ardea herodias

Great blue herons rarely venture far from bodies of water and can feed on insects, fish, frogs, snakes, and even crustaceans.

Swamp Fern

Telmatoblechnum serrulatum

Commonly found in freshwater marsh and swamp, it is often utilized for wetland restoration projects.

FPL AND BABCOCK RANCH ENVIRONMENTAL STEWARDS

Working together, FPL and Babcock Ranch prioritize environmental stewardship throughout every phase of solar projects.



During early development stages, FPL studied the presence of endangered species, wildlife corridors and wetlands, and other ecologically significant areas.



After development, with guidance from Audubon Florida and local environmental organizations, FPL plants native trees, shrubs and grasses to make sites bird- and pollinator-friendly.



We choose plants that increase area biodiversity and limit the growth of invasive species.



Great Blue Heron
Ardea herodias

Large wading bird with long neck and long legs. Found in wetlands and marshes.

Florida Blue Butterfly
Glaucopsyche cyzicus

Small butterfly with blue and white wings. Found in wetlands and marshes.

Florida Blue Butterfly
Glaucopsyche cyzicus

Small butterfly with blue and white wings. Found in wetlands and marshes.

Florida Blue Butterfly
Glaucopsyche cyzicus

Small butterfly with blue and white wings. Found in wetlands and marshes.



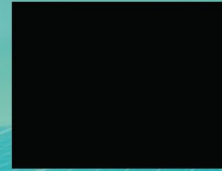
HOW FPL DELIVERS CLEAN ENERGY

to Babcock Ranch and all FPL customers

Solar energy centers support Florida's communities, as well as the natural environment.



FPL solar energy centers produce renewable energy, keep bills as low as possible and help reduce carbon emissions. That means everyone benefits from the solar energy produced at these sites.



HOW DO YOU GET SOLAR ENERGY?

Explore above to see how solar energy gets from the solar sites to people's homes.

FPL AND BABCOCK RANCH ENVIRONMENTAL STEWARDS

Working together, Babcock Ranch and FPL prioritize environmental stewardship throughout every phase of solar projects.

During each development stage, we consider and address the potential environmental impacts, as well as other potential social issues, related to our sustainability program areas.

- Protect and enhance natural resources
- Minimize land disturbance
- Protect and enhance water resources
- Protect and enhance air quality
- Protect and enhance wildlife and fish habitat
- Protect and enhance cultural resources
- Protect and enhance historic resources
- Protect and enhance aesthetics
- Protect and enhance community relations

The graphic features a large green field background with a blue stream at the bottom. A cutout of a stork stands in the stream, surrounded by yellow flowers and green plants. Several circular images are scattered across the field, showing various natural elements like birds, flowers, and people walking.

HOW FPL DELIVERS CLEAN ENERGY

In Babcock Ranch and all FPL solar projects, our energy comes from clean, renewable, and safe solar energy.



What's the IMPACT of this solar energy?

100% RENEWABLE ENERGY

100% LOCAL EMPLOYMENT

100% LOCAL INVESTMENT

100% LOCAL REVENUE



SHARING THE BENEFITS OF SOLAR



Solar energy centers and other sources of power in its diverse energy mix are helping FPL continue its journey toward decarbonization.



FPL Solar Together®

FPL Solar Together® is a way FPL customers can directly enjoy the financial and environmental benefits of solar energy – without having to put panels on their property. Learn more about the nation's largest community solar program.



Solar Trees and Canopies

To help communities learn about solar up close, FPL has placed solar trees and canopies in communities FPL serves including the solar trees you see here around Founder's Square at Babcock Ranch.

A SUSTAINABLE HOME FOR A DIFFERENT TYPE OF RESIDENT

FPL and Babcock Ranch have created a sustainable habitat for many living things. Humans are not the only "residents" who live here at Solar Ranch – An FPL Eco-Discovery Center.



Bobcat

Native to the state of Florida, bobcats are 10 pounds, have black and white marks on the backs of their ears that are on their eyes on irritation and pink coloration after tracking they have been spotted.



White-Tailed Deer

White-tailed deer enjoy browsing on plants on the edge of a forest, often in woods. When alarmed, they will flash and wave their tails like a white flag to alert others of prey.



Burrowing Owl

These are spotted owls that dig deep, hidden areas and spend most of their time on the ground where they dig tunnels for their safety and nesting, which occurs during the months of February to July.



Eastern Indigo Snake

Indigo snakes are green and blue snakes. This is one of the largest snakes in the state. It preys on many species of animals including some venomous snakes, helping to control snakes in keeping the ecosystem healthy and balanced.



RACCOON

Raccoons are known for their intelligence and ability to adapt to various environments. They are often found in areas with human activity, such as near trash cans and buildings.

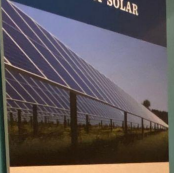


OSPREY

Ospreys are large birds of prey that hunt fish in coastal waters. They are known for their powerful talons and sharp beaks, which they use to catch and eat fish.



SHARING THE BENEFITS OF SOLAR



Solar energy customers and other sources of power in the United States are helping PPL continue to journey toward decarbonization.



PPL Solar Together!
PPL Solar Together is a 100% customer-owned energy asset that provides an additional source of solar energy without taxing the grid. It's a great way for customers to get involved in the clean energy transition.



Solar Financial Options
To help customers take advantage of the solar market, PPL offers a variety of financial options, including solar leases and power purchase agreements (PPAs).

RESPONSIBLE ENERGY FOR A SUSTAINABLE FUTURE

At PPL, we are committed to providing clean, reliable energy for a sustainable future.



Renewable Energy
PPL is investing in renewable energy sources like wind and solar to reduce our carbon footprint.

Energy Efficiency
We are working to improve energy efficiency in our operations and homes.

Community Support
PPL is committed to supporting the communities we serve.



A SUSTAINABLE HOME FOR A DIFFERENT TYPE OF RESIDENT

FPL and Babcock Ranch have created a sustainable habitat for many living things. Humans are not the only “residents” who live here at Solar Ranch – An FPL Eco-Discovery Center.



Bobcat

Twice the size of a domestic cat, bobcats have black and white marks on the backs of their ears that act as false eyes to intimidate and trick predators into thinking they have been spotted.

White-Tailed Deer

White-tailed deer enjoy browsing on plants on the edge of a forest, called an ecotone. When alarmed, they will raise and wave their tails like a white flag to alert others of pos

Burrowing Owl

These pint-sized owls live in open, treeless areas and spend most of their time on the ground where they dig burrows for their safety and nesting, which occurs during the months of February to July.

Eastern Indigo Snake

Federally endangered and non-venomous, this is one of the largest native snakes in Florida! It preys on many species of animals including some venomous snakes, playing a critical role in keeping the ecosystem healthy and balanced.

PLAY THE CLEAN ENERGY GAME

Mix & Match with Sunny!

Our planet needs clean, renewable energy to keep it beautiful for future generations. This is why FPL has eliminated coal-burning power plants and built more solar energy centers that turn sunlight into electricity for Florida homes and businesses. Help Sunny match energy cards to learn which sources generate clean energy.



THE FUTURE OF SOLAR and YOU

Solar energy is a big part of our clean energy future. You can be part of it, starting now.



The solar industry has many exciting career paths, including science, engineering, manufacturing, business, government, solar facility development, and construction.



Today there are ways you can power your home and electric vehicles with solar energy. FPL has several options to provide clean energy and keep your bills as low as possible, to fit your lifestyle.



FPL is piloting new shore power technology. Think a giant electrical plug that allows ships to plug into power generated by clean energy sources like solar while docked.

Visit the International Space Station. Right here!

The best source of energy for a spacecraft is the sun. Good thing, because there's not a 220 mile extension cord to deliver electricity.

Scan the QR code to see the space station orbiting.



THE FUTURE OF SOLAR and YOU

Solar energy is a big part of our clean energy future. You can be part of it, starting now.



The solar industry has many exciting career paths, including science, engineering, manufacturing, business, government, solar facility development, and construction.



Today there are ways you can power your home and electric vehicles with solar energy. FPL has several options to provide clean energy and keep your bills as low as possible, to fit your lifestyle.

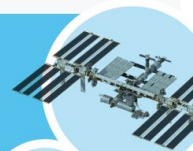


FPL is piloting new shore power technology. Think a giant electrical plug that allows ships to plug into power generated by clean energy sources like solar while docked.

Visit the International Space Station. Right here!

The best source of energy for a spacecraft is the sun. Good thing, because there's not a 220 mile extension cord to deliver electricity.

Scan the QR code to see the space station orbiting.



LEARN and PLAY at SOLAR RANCH

AN FPL ECO DISCOVERY CENTER

How solar benefits you and the environment
Learn the advantages of solar and how it can help you.

Design a sustainable community
Make energy choices and create your own community. See how your decisions have an impact.

See how solar powers clean energy in Bakershambur
Learn how solar powers clean energy in Bakershambur.

Discover the benefits of solar
Learn about the benefits of solar energy.

Learn about solar energy
Discover the basics of solar energy.

PLAY THE CLEAN ENERGY GAME

Mix & Match with Sunny!

Our power needs clean, renewable energy to keep it beautiful for future generations. The only FPL has educational solar learning game plans in Florida and have more solar energy games that help highlight the electricity for Florida homes and businesses. Use the game pieces to mix & match solar energy to power clean energy.




THE FUTURE OF SOLAR and YOU

Solar energy is a big part of our clean energy future. You can be part of it, starting now.



The solar industry has many exciting career paths, including science, engineering, manufacturing, business, government, solar facility development and construction.



FPL is piloting new shore power technology. There's a giant electrical plug that allows ships to plug into power generated by clean energy resources like solar while docked.

Visit the International Space Station. Right here!
The new shore power plug is available at the International Space Station. Visit www.fpl.com/space to learn more.

How do you like to see the future? Scan the QR code.





TO THE
TOWER



DON'T MISS WHAT'S UP HERE

There are a whole lot of solar panels to see, and you won't be alone! Sunny, your animated solar tree guide, is waiting to take you on an augmented reality tour with his friend, Chirp.

MARSH BABBIT

The marsh rabbit helps to
transfer and absorb
nutrients from sediments
and streams.



GOING UP? WHAT'S UP THERE TO SEE

Scan over 74,000 acres filled with cypress, cattails, and even endangered species. Keep an eye out for our wild residents, such as Sandhill Cranes and Black Bears. And you may also notice the 687,000 solar panels that make up two large scale solar energy centers.



THE VIEW FROM ABOVE

360-degree views of
the solar centers and
nature preserve.



Do you
see giants?



Look at all
those panels!



What don't
you see?



Meet our
virtual
residents



GOING UP? WHAT'S UP THERE TO SEE

Scan over 74,000 acres filled with cypress, reeds and open wildlife. Keep an eye out for our wild residents, such as sandhill cranes and black bears. And you may also notice the 687,000 solar panels that make up two large-scale solar energy centers.



THE VIEW FROM ABOVE
360-degree views of the solar energy centers and nature preserve.



Do you see plants?



Look at all those panels!



What else do you see?



What are our special residents?

WATER ECOLOGY at SOLAR RANCH DRINK UP!



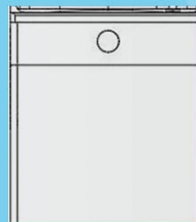
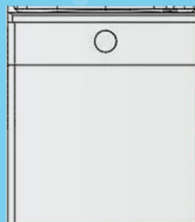
Water conservation is a top priority at Solar Ranch. We've installed water-saving devices throughout the facility to help reduce our water usage. We've also installed water-saving devices in the restrooms to help reduce our water usage. We've also installed water-saving devices in the restrooms to help reduce our water usage.



WATER ECOLOGY at SOLAR RANCH DRINK UP!

Water conservation is woven
into the fabric of Babcock Ranch

From landscaping with native, low-impact plants to constructing a system to restore historical water flows of the Curry Lake Preserve ecosystem and hydrate surrounding wetlands, this area is now home to a thriving ecosystem. Native vegetation has reclaimed the land from invasive species, crayfish have returned to its waters, and hoots of birds once again call Curry Lake home.



GOING UP? WHAT'S UP THERE TO SEE

Scan over 74,000 acres filled with cypress, reeds and open wildlife. Keep an eye out for our wild residents, such as sandhill cranes and black bears. And you may also notice the 687,000 solar panels that make up two large-scale solar energy centers.



THE VIEW FROM ABOVE
360-degree views of the solar energy centers and nature preserve.



Do you see plants?



Look at all those panels!



What else do you see?



What are our special residents?

WATER ECOLOGY at SOLAR RANCH DRINK UP!



Water conservation is a top priority at Solar Ranch. We've installed water-saving devices throughout the building to help reduce our water usage. We've also installed water-saving devices in the restrooms to help conserve water. We've also installed water-saving devices in the restrooms to help conserve water.



A SUCCESS STORY
CURRY LAKE at SOLAR RANCH



REHYDRATING WETLANDS

Curry Lake represents Babcock Ranch's efforts to create new strategies to preserve one of the most environmentally significant areas in Florida.

Babcock Ranch initiated a bold water management program, building three weirs to rehydrate 70 acres of wetlands. A weir is a low dam that is used to prevent flooding, measure water flow, and hold water. This extends the wet season both a month earlier and a month later, allowing animals to flourish and native vegetation to reclaim lost territory.

CRAYFISH

Rehydrate Curry Lake and quality habitat of crayfish, which are an important prey item for many animals in the region, including otters and nesting loons.

