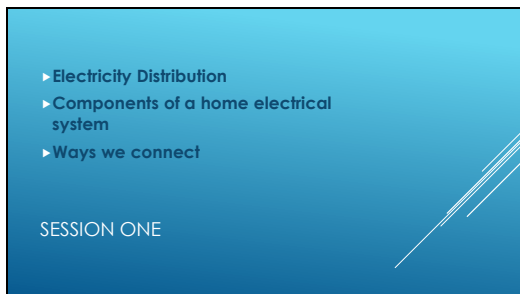


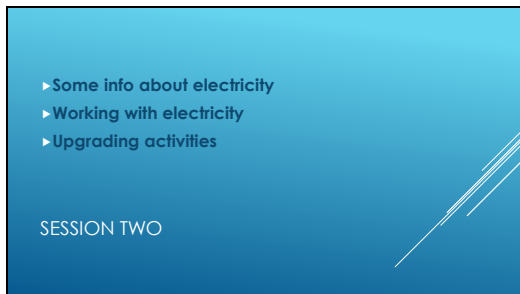
Slide 1




Slide 2



Slide 3



Slide 4



▶ Hydroelectric
POWER GENERATION

The slide features two images. On the left is a schematic diagram of a hydroelectric dam system, showing water flowing through a dam, down a penstock, and through a turbine to generate electricity. On the right is a photograph of the interior of a large hydroelectric power plant, showing a massive circular turbine hall with a central structure.

Slide 5



▶ Wind
POWER GENERATION

The slide contains two images. On the left is a photograph of a wind farm with several large white wind turbines in a hilly, open landscape. On the right is a technical diagram of a wind turbine, showing its components: the nacelle, gearbox, generator, and tower. A circular inset in the diagram shows the flow of energy from the blades through the gearbox and generator to produce electricity.

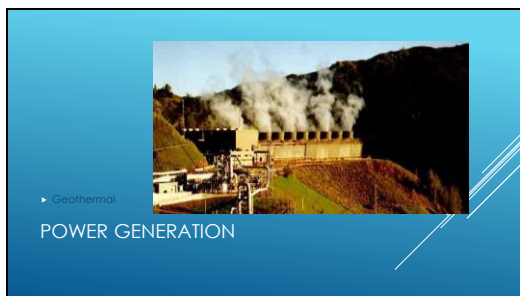
Slide 6



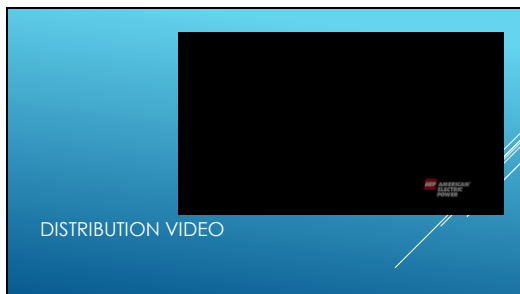
▶ Solar
POWER GENERATION

The slide features a photograph of a large-scale solar farm. The image shows rows of solar panels installed on a flat, open field. In the foreground, several workers wearing orange safety vests are visible, likely performing maintenance or installation on the panels.

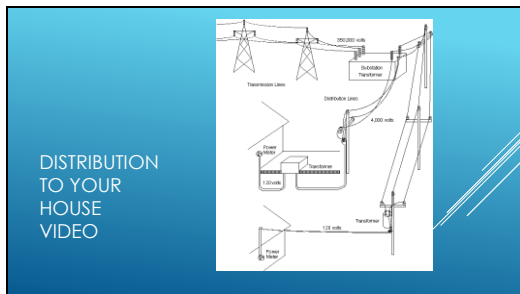
Slide 7



Slide 8



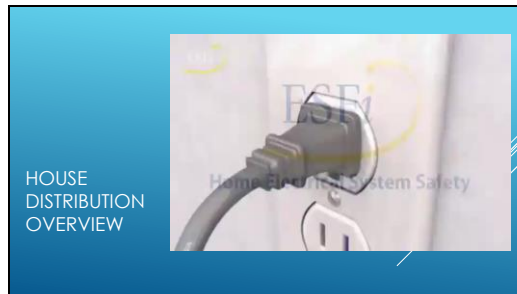
Slide 9



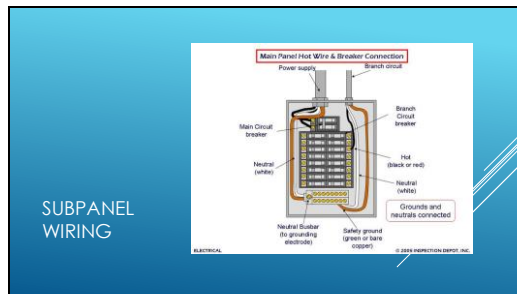
Slide 10



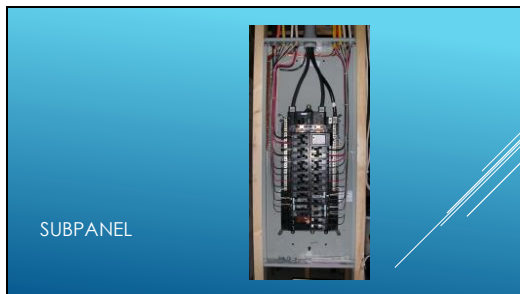
Slide 11



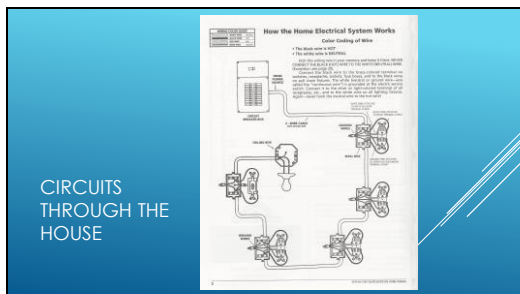
Slide 12



Slide 13



Slide 14



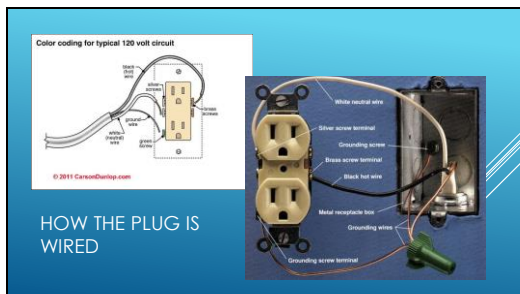
Slide 15



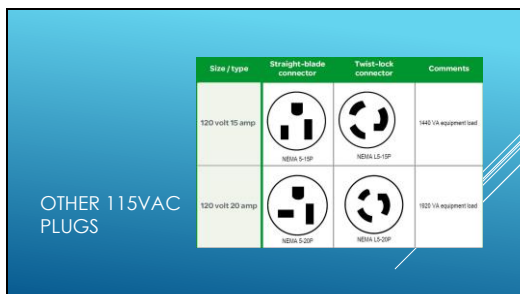
Slide 16



Slide 17






Slide 18



Slide 19

220VAC CONNECTIONS

COOKTOPS, OVENS, DRYERS, SPA 'S, ETC.

Wire Type	Straight Blade connector	Twist-Tuck connector	Comments
200 Volt 30-Amp	 NEMA 10-30P	 NEMA 10-30R	200 in equipment
208 Volt 30-Amp	None	 NEMA 14-30R	208 in equipment

Slide 20

- ▶ For surge protection – **Power strip**
- ▶ Overload protection-**Power strip**
- ▶ For temporary use - **extension cord**
- ▶ **When devices exceed plugs - extension cord**

EXTENSION CORDS/POWER STRIPS



Slide 21

- Prevents computer damage during power failure. Protects data
- Automatically shuts down computer during power failure
- Provide surge protection

UNIVERSAL POWER SUPPLY (UPS)



Slide 22

- ▶ Reduced electrical consumption cost/month
- ▶ Increase in property value
- ▶ Materials/labor costs decreasing
- ▶ Federal tax credit 40%
- ▶ Purchase/lease options
- ▶ Annual true/up state program

ADDING SOLAR POWER - VALUE

Slide 23



Slide 24



Slide 25

Average annual usage	9,500 kWh
Solar production annually	10,800 kWh
Net electrical usage	<1,300 kWh>
Return of Investment	7 years

MY SOLAR SYSTEM COSTS

Slide 26