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# Electric Auto Association  
# of Northern Nevada (EAANN) eNEWS!  
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# Volume 3, Number 5  
# October 11, 2009  
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# of Northern Nevada  
#  
# On the web at <http://ElectricNevada.org>  
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### EAANN eNews ###

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### NEXT MEETING ###

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NEXT MEETING: will be held on Thursday, October 22, 2009, from 6:00-7:30 at the Truckee Meadows Water Reclamation Facility, 8500 Clean Water Way, Reno, NV

MEETING TOPICS: Travis Johnson of NV Energy will give the presentation Power Systems & Electric Vehicles. Travis is manager of substation construction and maintenance for NV Energy as well as the company's public and industry liaison on electric drive transportation. His presentation is excellent and is a must see. Also we'll further develop and discuss the pending "Burning Man" ArtCar and Energy Art Exhibit for the 2010 Artown event next July.

DIRECTIONS: (click <[http://electricnevada.org/download/TMWRF\\_Map.pdf](http://electricnevada.org/download/TMWRF_Map.pdf)> for a map AND click <[http://electricnevada.org/download/TMWRF\\_Map1.pdf](http://electricnevada.org/download/TMWRF_Map1.pdf)> for an aerial photo of the meeting room location). Clean Water Way is just north of Mill Street off S. McCarren Blvd. You enter Clean Water Way at the UNR Farm (Nevada Agricultural Experiment Station) entrance and go 2.5 miles to the end of the road where you'll arrive at the water plant location. Continue forward (north) through the plant toward the Truckee River, curve to the right, past the visitor's parking on the east to a point where you'll see a double-wide trailer east of the two story warehouse at the north end of the facility.

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### EVENTS CALENDAR ###

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~ None at this time ~

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### MEETING REVIEW ###  
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At our last meeting EAANN co-chair Chuck Swackhammer told us about his lithium-ion battery experience in his Zap Xebra.

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### LISTSERVS - GET INFORMED VIA EMAIL ###  
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The Electric Auto Association of Northern Nevada general local listserv. Discuss EV & energy news and EVents here <<http://tinyurl.com/3xs4jk>>.

Electric Vehicle National Discussion List, founded in 1991, follow this link <<http://www.evdl.org/>> for more information.

[Editor's note: Be sure to select the "digest" option instead of "individual" emails as this is a very busy list and will fill up your inbox quickly! Or, if you prefer to not receive emails you can read the list online.]

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### WATT'S UP? ###  
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WATT'S UP?  
THE DOT ENERGY BOOM  
THAT'S WATT!  
by Bob Tregilus, EAANN Co-chair

Hi EVeryone -

I very much hope to return to publishing these eNewsletters on a regular basis. During this recent hiatus it's stunning just how much news there has been about electric drive transportation and energy policy. Quite literally the world is on the leading edge of a rapidly growing economic tsunami that in the next two to three years will crash on to the scene in what I've been referring to as the "Dot Energy Boom." I'll explain that term in the coming months, but for now satisfy it to say there is an amazing transformation underway in how we generate, transmit, store (eventually), and consume energy. Three fundamental sectors of our society are on a collision course: Buildings, transportation, and the electric grid are all converging into what the Rocky Mountain Institute has called the "smart-garage." The smart-garage is a place where highly efficient buildings that generate much of their own power connect to the emerging fleet of electric drive transportation which, all in turn, is connected to the electric grid.

Going forward there will be great opportunities for innovation that I believe will lead to dramatically improved energy efficiency and greener energy production - all at less cost to our health, the

environment, and our pocketbooks. But we must be wary of entrenched interests that are blind to these opportunities or that wish to strangle innovation or appropriate the benefits and restrict the implementation of these revolutionary technologies.

Lawmakers must be visionary and design and implement policies that are simple, transparent, and equitable - "social energy equity" should be the goal where everyone can participate equally in the renewable energy revolution.

Also, be sure to come to the next meeting. NV Energy's Travis Johnson will be giving a great presentation on the electric grid and electric cars - it's not to be missed! Details are above under the "next meeting" heading.

Finally, be sure to checkout the club website for some surprise like a cute little music video and another video on renewable energy feed-in tariffs - just follow this link <<http://ElectricNevada.org>>.

More to come . . .

How's Zap?  
Bob

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### FEATURED ALTERNATIVE TRANSPORTATION WEBSITE ###  
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#### 1 ) AMINORJOURNEY.COM AND NIKKI GORDON-BLOOMFIELD

"I'm Nikki and I'm an EV nut. I trained as a professional oboist but these days spend most of my time providing online content. I live in Bristol, UK with my wife Kate."  
[Editor's note: Please give Nikki's site a look. She is the weekend host of EVcast and has graciously allowed your editor to rant on her program twice now. Additionally, at her site you'll discover that Nikki is ramping up to drive an EV from her home in Bristol to the climate talks in Copenhagen.]

View the website here:  
<http://www.aminorjourney.com>

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#### 2 ) WILLIAM KAMKWAMBA: THE BOY WHO HARNESSSED THE WIND

"Starting at 14, rather than accept his fate, William started borrowing books from a small community lending library located at his former primary school. He borrowed an 8th grade American textbook called Using Energy, which depicted wind turbines on its cover. He decided to build a windmill to power his family's home and obviate the need for kerosene, which provided only smoky, flickering, distant and expensive light after dark. First he built a prototype using a radio motor, then his initial 5-meter windmill out of a broken bicycle, tractor fan blade, old shock absorber, and blue gum trees. After hooking the windmill to a car battery for storage, William was able to power four light bulbs and charge neighbors' mobile phones. This system was even equipped with homemade light switches and a circuit breaker made from nails, wire, and magnets. The windmill was later extended to 12 meters to better catch the wind above the trees. A third windmill pumped gray water for irrigation."  
[Editor's note: Please visit William's website his is a very inspiring story!]

Visit the website here:  
<http://tinyurl.com/333njin>

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### EVs IN THE NEWS ###  
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### 3 ) IS A 3 WHEEL VEHICLE A CAR? HOUSE VOTES YES

"Motorcycles and cars have different standards to be met. For one, cars are subject to the rigors of extensive safety testing and require mandated safety equipment. This drives the cost of cars up. Motorcycles on the other hand do not have crash safety standards and are not required to implement items such as airbags and seat-belts. But what is a car and what is a motorcycle?"

Full article here:  
<http://tinyurl.com/mul4s6>

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### 4 ) ALTCAR #4 THE LAST OF ITS KIND

"I spent both Friday and Saturday at the AltCar Expo in Santa Monica. This convention has been showing alternative vehicles to the public for four years now, but little in the way of highway capable cars that the masses can buy."

[Editor's note: This is Paul Scott's blog. Paul is a co-founder of Plug In America and his blog is worth visiting on a regular basis.]

Full article here:  
<http://tinyurl.com/yjflfna>

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### 5 ) BLIND LEADING THE BLIND?

"For the most part, the electric vehicle world is palpably buzzing with excitement of cars to come- and after some seriously dark years, there is much to look forward to. The collective conversation has finally shifted from "if" to "how", but even on easier "how" points, we can't seem to get out of our own way- which really doesn't bode well for the hard stuff."

[Editor's note: This is Chelsea Sexton's blog. Chelsea is a co-founder of Plug In America. She was also one of the key talking heads in the movie "Who Killed the Electric car?" Presently, Chelsea is a Senior adviser at Vantage Point Venture Capital, the folks behind Tesla Motors and Better Place among other ventures.]

Full article here:  
<http://tinyurl.com/ykcuhuq>

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### 6 ) BETTER PLACE UNVEILS BATTERY SWAP STATION

"Better Place, a company working to build infrastructure for electric cars, has released a video showing how its technology for swapping spent car batteries works. Swapping stations, the company said, would facilitate longer trips for battery-powered cars — say over 100 miles or so — by allowing drivers to roll up and swap out a spent battery for a freshly charged one. (For shorter distances — commuting for example — the cars can simply be recharged at home or at work.)"

Full article here:  
<http://tinyurl.com/pxgc3o>

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## 7 ) FORD MOVING TO ACCELERATE IT'S GLOBAL EV DEVELOPMENT

"Ford Motor Company is intensifying its focus on global electrification with the creation of a new position to lead the planning and strategy for Ford's future electric vehicle portfolio."

Full article here:  
<http://tinyurl.com/yhoke2q>

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## 8 ) ULTIMATE POSTING ON PLUG-IN HYBRID DEVELOPMENTS

"You'll find more items here than in any previous posting to CalCars-News. It's no longer possible to follow everything, but we hope to help spotlight developments you may have missed. Meanwhile, we're catching up as we prepare to go to Washington DC for meetings this Thursday and Friday to advocate for a new industry converting internal combustion vehicles to plug in. This time we want to build a coalition from the start!"

Full article here:  
<http://tinyurl.com/ylcq2gq>

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## 9 ) PIAGGIO TO SELL PLUG-IN HYBRID SCOOTER

"Piaggio, the Italian scooter maker, is planning to introduce a plug-in hybrid version of its three-wheel MP3 scooter for the American market by 2010. According to Paolo Timoni, president and chief executive of Piaggio Group Americas, the new MP3 plug-in hybrid will have a 125cc engine and a lithium battery pack, yielding something like 250cc performance. The size of the battery pack is yet to be determined, but Mr. Timoni said Piaggio is estimating 140 mile-a-gallon fuel efficiency, which is considerably higher than the 70 to 80 m.p.g. possible from the company's existing gas scooters." [Article contributed by Mark Harris.]

Full article here:  
<http://tinyurl.com/qnqjy9>

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## 10) MICRO-TURBINES GIVE MAXI BOOST TO EV BATTERY RANGE

"Borrowing from Fifties-era dream machines like GM's Firebird - with a nod to George Jetson's flying car - a Dutch engineering firm is rolling out a jet turbine technology it says will provide a much needed boost for tomorrow's electric vehicles."

Full article here:  
<http://tinyurl.com/yz3cxa4>

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#### 11) GM, REVA TO DEVELOP ELECTRIC VEHICLES IN INDIA

"General Motors India and Reva Electric Car Company have entered into a collaboration agreement to develop electric vehicles for the Indian market."

Full article here:  
<http://tinyurl.com/yhn7lbo>

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#### 12) UK POLICE EAGER TO TRIAL MITSUBISHI ELECTRIC CAR

"The all-electric i MiEV city car is now helping Police Forces across the UK to crack down on crime whilst cracking down on CO2 emissions."

Full article here:  
<http://tinyurl.com/ykye5xv>

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#### 13) CLIMATE CHANGE PUTS EVS AT HEART OF TRANSPORT POLICY

"The roads of the 2020s could look and sound very different if the climate change committee's vision of transport policy is realized. Electric cars will zip noiselessly along roads depleted of commuters by better planning and more effective public transport."

Full article here:  
<http://tinyurl.com/yzrwwk6>

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#### 14) Iowa town installing electric car chargers

"ELK HORN -- A western Iowa town is hoping to become a major cross-country stop for anyone in an electric vehicle."

Full article here:  
<http://tinyurl.com/yjnkkrq>

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#### 15) Nissan Builds Viral Excitement for Leaf Electric Car

"If you know anything at all about how battery cars work, your knowledge base isn't going to be significantly increased by this Nissan-generated video (recently posted to YouTube). You are, however, likely to be impressed by the fast-moving graphics, whose pace may remind some viewers of the very successful viral video "The Story of Stuff." Maybe your pulse rate will increase slightly, especially if you're less than 40. And that's basically the idea."

Full article here:  
<http://tinyurl.com/ycdgqppj>

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### EV & ENERGY VIDEO & AUDIO REPORTS ###  
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### 16) MAKING ELECTRIC TRANSPORTATION WORK

"The automobile and electricity industries have avoided dramatic change for decades. Today, because of environmental and geopolitical concerns, auto companies and utilities are re-evaluating the fundamentals of how they do business. However, by working together and embracing change, many of these "legacy" companies could play a major role in ushering in an era of electric transportation."

Audio report here:  
<http://tinyurl.com/ye2yxgu>

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### 17) INSIDE NISSAN'S ELECTRIC VEHICLE

"We took Nissan's (NSANY) electric car for a spin in Bear Mountain State Park, which you can see in the video below, complete with our thoughts on the experience."

Video here:  
<http://tinyurl.com/o6sxfv>

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### 18) IT'S COLD UP THERE ON PIKE'S PEAK!

"Join Nikki Gordon-Bloomfield, Bob Tregilus and Marc Geller as they discuss the week's EV news."

Video and article here:  
<http://tinyurl.com/yzucz14>

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### 19) ETEC TRANSPORTATION ELECTRIFICATION

"Donald Karner, President and CEO of Phoenix-based eTec, discusses the \$100 million grant his company was awarded to undertake the largest deployment of electric vehicles and charging stations in U.S. history."

Video and company website here:

<http://www.etecevs.com>

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## 20) RENAULT LAUNCHES NEW SITE FOR ITS UPCOMING EV LINEUP

"Renault has launched a new site dedicated to promoting its upcoming model range of battery-powered cars. The site is actually about more than just the Fluence, Kangoo, Zoe and Twizy. It also offers explanations of how Renault hopes to make these cars mainstream and affordable. It appears from the information provided that Renault plans to offer all of its EVs sans battery. The energy storage system will all be leased separately with payments going to a chosen energy supplier. There will be three options for replenishing the charge."

Article and video here:

<http://tinyurl.com/yzvzdov>

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### ENERGY NEWS ###  
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## 21) BOB TREGILUS: FITS CAN BOOST HOMEGROWN ENERGY

""Invented here, sold there" is the motto recently ascribed by New York Times columnist Thomas Friedman to the California based Applied Materials Corp., a solar photovoltaic tooling manufacturer. It's not Applied Materials' fault that its manufacturing tools are exported overseas to solar panel factories."

{Editor's note: Sorry, I'm tooting my own horn here.}

Full article here:

<http://tinyurl.com/yhldhbx>

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## 22) ENERGY SELF-RELIANT STATES: SECOND AND EXPANDED EDITION

"How self-sufficient in energy generation could states be if they relied only on their own renewable resources? In November 2008, ILSR began to address this question in Energy Self-Reliant States. That report included a limited set of resources – on-shore wind and rooftop solar photovoltaic (PV) – and also examined the potential for biomass-derived."

Full report here:

<http://tinyurl.com/yaywu42>

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## 23) COAL PLANTS CLOSING, PEOPLE OWN THEIR OWN POWER

"Paul Gipe, author of 'Wind Energy Basics' tells how Canadian province, Ontario plans to close all its coal power plants by 2014, how people in Vermont wanting to own their own energy sources pushed

politicians into instituting feed-in tariffs, and much more. And a warning for Australians: Beware FITINOS - Feed-in Tariffs in Name Only!"

[Editor's note: Paul Gipe is one of the key FITs proponents in North America.]

Full article plus audio here:

<http://tinyurl.com/yakp798>

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#### 24) US GEOTHERMAL CAPACITY COULD TOP 10 GW

"A new report by the Geothermal Energy Association (GEA) shows growth in new geothermal power projects continuing through 2009. U.S. Geothermal Power Production and Development Update, September 2009 identifies 144 new geothermal projects under development in fourteen states that could represent as much as 7,100 megawatts (MW) of new baseload power capacity. When added to the 3,100 MW of existing capacity, 10 gigawatts of geothermal power appears to be feasible."

Full article here:

<http://tinyurl.com/yj5vnh8>

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#### 25) LIGNITE IMPEDES GERMAN CLIMATE POLICY

"Germany may have ambitious targets about cutting its carbon dioxide emissions, but those targets will likely remain just that, targets, as long as the country continues its heavy reliance on lignite."  
[Article contributed by Dr. Jeffery Michel, who by the way, is someone your editor consults with often in Germany.]

Full article here:

<http://tinyurl.com/y1kvch2>

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### CLASSIFIEDS ###  
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THREE WHEELED WILDFIRE EV FOR SALE. It's a couple years old and has been sitting in my drive way. Has about 40 miles on it. Was over \$5,000 when I bought it new- asking for \$500 to get it out of my hair (and to get my home owners association off my back). 96v system. When purchased it was supposed to go 47mph (which should be easy for a 96V system) but only went 38mph. I blew the controller testing different things to try and bring it to a higher top speed. Paint looks a little faded from sitting there (may just need a wash). Includes the original batteries (which are not installed). Contactors (which are fine) and speed control (which is blown) need to be reinstalled. Seats are currently out, but I can pop these back in for transport (had them out for easier access to electronics. Dash board control panel is out (the plexi that covers it got shattered) is functional, but needs reinstall and a new piece of covering glass (optional). Comes with paperwork to obtain MSO for registration from Wildfire. Comes with a new front tire on rim ready for install (original front tire, currently on, is flat and was made of VINYL!) Give me a call if you'd like to come see- can be up and running with a few hours of work, but will need a new controller to be functional. <<http://ElectricNevada.org/pics/rsv.jpg>> Skot Meyer, 225-0815 President, Meyer Rosene Advertising Design

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200x CORBIN SPARROW dark purple powered by 13 water cooled NiMH batteries. Range is around 100 miles per charge. Asking about \$10,000 without batteries, \$15,000 with batteries with cooling system. Call Neal Peters for details and owner contact number, 541.973.8289. Vehicle is in Lake County in Northern California.

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BOMBARDIER NEV FOR SALE: I need my driveway space and want to sell my cute little NEV am asking \$4,000. The Bombardier is 8.3 feet long, 4.6 feet wide 5 feet tall. Weighs about 1,276 pounds with batteries. Non-skid material in footwells is intact. Hand parking brake. In-body charger. Two seat belts with three point attachment. Turn signals, horn, parking and head lights, a full set of canvas and plastic side and back covers with plastic windows, trunk, glovebox, four wells for drinking glasses or soda cans in the front dash area, two bucket seats the undercarriage in fine shape, The tire size is 145R12. The motor, is DC shunt 72 volt, air cooled, 5 hp continuous up to 20 hp peak, the charger is an integrated 110V 15 A unit with 12V auxiliary battery charger. I replaced the original dead 300 amp controller with the factory upgrade kit it now has a 400 amp Curtis unit, with regenerative braking. Seats: The plastic of the seats do not have any rips or tears with the exception of a small one on the driver side seen in photo. For being ten years old, they are in great shape. The seat bottoms are lifting a bit from the metal edge of the seat bottoms (see photographs) and the underlying foam can be seen a bit. Batteries: The vehicle needs new batteries and requires six deep cycle 12V batteries 80 up to 120 ah and one small 12 volt battery for the dashboard electronics, lights etc. Originally, Bombardier made these units so the batteries had to be serviced from underneath, requiring a car hoist on which to lift them. Although you could modify it for top access. NEVs: Neighborhood Electrical Vehicles are a category of vehicle that is street legal but can only be used on streets with speed limits of 35 miles per hour or less. The Bombardier NEVs were made for only about three years, 1997 to 1999. To the best of my knowledge, only one Bombardier NEV parts supplier exists in the United States, and that is Peacock in Michigan. <[http://www.peacockltd.com/miscpage\\_002.asp](http://www.peacockltd.com/miscpage_002.asp)>. Because it was originally owned by the University this NEV was never registered in Nevada. I have the factory title and will transfer to a new owner. Follow these links for pictures:  
<<http://www.electricnevada.org/download/photo1.jpg>>  
<<http://www.electricnevada.org/download/photo2.jpg>>  
<<http://www.electricnevada.org/download/photo3.jpg>>  
<<http://www.electricnevada.org/download/photo4.jpg>> Call Bill Brinsmead, 775 784-1502, or email [billb@physics.unr.edu](mailto:billb@physics.unr.edu).

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2003 & 2005 ZAP SMART CARS PASSION COUPE: Dealer's Comments: 2005 Zap Mercedes Smart Passion Coupe 3 cyl turbo 6 speed tip tronic transmission AC, power windows, alloy wheels, 50 miles per gallon! Made in Germany by Mercedes, Follow this link <<http://tinyurl.com/cfzgpm>>. for pictures. Keith's Kars, 13203 S. Virginia Street, Reno Nevada 89511, Phone: (775) 741-4652, Email: [KeithsKars@yahoo.com](mailto:KeithsKars@yahoo.com), Nevada Dealer License #D541 [EDITOR'S NOTE: Keith also has a low milage 2003 Smart Car for sale. It's really clean. Private party (no sales tax) asking \$15,900!]

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6 HP SEPARATELY EXCITED DC MOTOR: I also have a large 6hp separately excited DC motor that I'd like to sell for \$150. It can be wired as either a series wound or a shunt wound.....therefore, it gives you electric gearing with proper switching. Provides good torque for acceleration and can switch

over for better continuous speed efficiency. It can produce over 20hp with the right amplifier. It's too small for large cars or conversions, but is very good for carts or whatever. Would be great for a Burning Man vehicle if anyone is interested. Please pass along that listing too if it isn't too much trouble. Contact Kevin Kaiser (775) 233-9035

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ALTRAX AXE 4844 24-48VDC 400 AMP PROGRAMMABLE CONTROLLER: For series wound or permanent magnet motors. More info here <[http://www.alltraxinc.com/Products\\_AXE.html](http://www.alltraxinc.com/Products_AXE.html)> Brand new. \$350.00 obo. Call Bob 775 826-4514.

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STARTECH 5 PORT 10BASET NETWORK MICRO HUB: I have a bunch of these. They are brand new in the box with full documentation. I'll sell them in quantities of one and up. \$5.00 each, discount with quantities. Follow this link for more details and a picture <<http://tinyurl.com/a5e5hl>> Call Bob 775 826-4514.

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2.4 GHZ 19 DBI WIRELESS WIFI CPE ANTENNA 802.11B: New, in original box, 2.4GHz 19 dBi Flat-Panel Directional Consumer Premise Equipment (CPE) Antenna by MapleNet with a mounting bracket and hardware, Power over Ethernet (PoE) inserter and transformer, and 8 feet of Cat5e cable with 8P8C (aka RJ45) connectors. Universal one-legged powder coated antenna mount (1.66" OD mast) with hardware \$10.00 extra. These flat panel directional antennas offer a high gain in a very thin, low profile package. They are very rugged and completely weatherproof for extremely long-life in the harshest of environments. The radome is manufactured from a special UV resistant plastic to reduce the effects of solar radiation which can degrade normal plastics. The industry standard 8P8C (aka RJ45) connector ensures compatibility. The tight beamwidths and good front to back spec help to minimize interference in the microwave link. High impact super strong four point plastic mounting system with corrosion resitant zinc plated hardware insures stability and long-life. The antennas can be mounted in Vertical Polarization or Horizontal polarization by a simple change to the bracket mounting. These antennas are designed to be used in installations where aesthetics and high performance are key factors. Specifications: Manufacturer: MapleNet Manufacturer; Part Number: i19 CPE with Wisp-Pro-2400 radio; Gain: 19 dBi WLAN; Standard: IEEE 802.11b; Frequency: 2.4 Ghz; Throughput: 5 Mbits/s; Net Bit Rate: 11 Mbit/s; Interface Type: 8P8C (aka RJ45); PoE Input Power: 120vac, .24A; PoE Output Power: 14vdc, 1,200mA; Operating Temperature: -40 – 158 Deg F; Pole Size: 1 – 2 In; Weight: 60 oz; Dimensions (LxWxD): 15.3 x 14.6 x 0.8 In; Bracket Tilt: 45 Deg. \$30.00ea Call Bob 775 826-4514.

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### WHO WE ARE, SUBMISSIONS, & LEGAL ###

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### ELECTRIC AUTO ASSOCIATION (EAA) ###

The Electric Auto Association of Northern Nevada (EAANN) is a chapter of the national Electric Auto Association whose mission, in part, is "to act as a public source of information about developments in electric vehicle technology, to encourage experimentation in the building of electric vehicles, and to

organize public exhibits and events of electric vehicles to educate the public on the progress and benefits of electric vehicle technology."

Please support the Electric Auto Association (EAA)! You may join by visiting the national EAA website <<http://www.eaaev.org/eaamembership.html>> or by sending \$39.00 (\$25.00 seniors) to:

Electric Auto Association  
Membership Renewals  
323 Los Altos Drive  
Aptos, CA 95003-5248

Your donations are tax deductible. The Electric Auto Association (EAA) is a non-profit organization [501(c)(3)] for the promotion of Electric Vehicles. You will receive the very informative EAA publication, Current Events.

Electric Auto Association of Northern Nevada (EAANN) officers are:

Bob Tregilus - Co-chair / EAANN web & eNews editor  
Chuck Swackhammer - Co-chair  
Peter Fletcher - Treasurer  
Secretary - vacant

**### SUBMISSIONS ###**

Your article contributions and letters to the editor are welcome! Please submit original articles to Bob Tregilus: lakeport104@yahoo.com. In the interest of accuracy you are requested to provide citations for any facts stated in your article(s). This is a "plain text" eNewsletter and as such no photographs can be published although we can certainly link to them at another location. All contributions maybe edited for length and clarity. They may be messed-up by mistake as well. Warning: dyslexic editor at work!

**### COMMENTS ###**

Please call 775.826.4514 or email your comments to Bob Tregilus at lakeport104@yahoo.com.

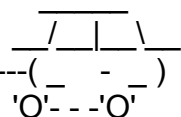
**### LEGAL ###**

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This eNewsletter was created using Openoffice on a computer running the GNU/Linux operating system. There are better alternatives in the computing world as well!

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