



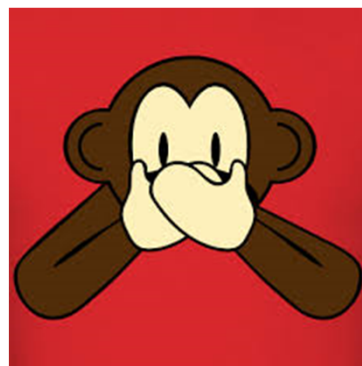
# MADRI MEETING OCTOBER 5, 2015 DELAWARE STATUS DISTRIBUTED ENERGY RESOURCES



Delaware Public Service Commission

Comments of John Farber  
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Delaware PSC Staff

# DISCLAIMER



# A 20,000 FOOT VIEW OF DELAWARE DISTRIBUTED ENERGY RESOURCES



# IF GROUND LEVEL DETAILS ARE NEEDED



# SUMMARY

- DELAWARE IS A “CHOICE” STATE
  - THERE WERE 39 THIRD PARTY SUPPLIERS SERVING CUSTOMERS AS OF JUNE 2015 (OF WHICH 15 WERE SERVING RESIDENTIAL CUSTOMERS)
  - FOR 12 MONTHS ENDED JUNE 2015 46.2% OF TOTAL KWH SALES WERE FROM THIRD PARTY SUPPLIERS
  - FOR RESIDENTIAL, HOWEVER, ONLY 11% OF TOTAL KWH SALES WERE FROM THIRD PARTY SUPPLIERS

# DELAWARE NET METERING OVERVIEW

- DELAWARE STATUTES, LAWS, AND REGULATIONS SUPPORTIVE OF NET METERING
  - RESIDENTIAL CUSTOMERS LIMITED TO 25 KW CAPACITY
  - NON-RESIDENTIAL LIMITED TO 2 MW CAPACITY
  - NET METERING FACILITIES LIMITED TO 110% OF ESTIMATED ANNUAL CONSUMPTION
- CUSTOMER GENERATION FACILITIES MUST (GENERALLY) BE FUELED BY RENEWABLE SOURCES
- THREE FORMS OF NET METERING ARE RECOGNIZED
  - SINGLE CUSTOMER, SINGLE METER (TRADITIONAL)
  - SINGLE CUSTOMER, MULTIPLE METERS (AGGREGATED OR “VIRTUAL”)
  - COMMUNITY ENERGY FACILITIES, SERVING SUBSCRIBERS WITH A “UNIQUE SET OF INTERESTS”



# NET METERING CREDITING OF KWH

- MONTHLY EXCESS OUTPUT CREDITED FOR VOLUMETRIC SUPPLY AND DELIVERY SERVICE CHARGES
- MONTH-TO-MONTH EXCESS OUTPUT CARRIED FORWARD TO SUBSEQUENT BILLING PERIODS
- AT EXPIRATION OF ANNUALIZED BILLING PERIOD CUSTOMER MAY REQUEST A PAYMENT BASED ON VOLUMETRIC SUPPLY CHARGES FOR ANY REMAINING EXCESS

# NET METERING RESOURCES IN DELAWARE

- AS OF DECEMBER 2014 THE RATED CAPACITY AND OUTPUT (LAST ANNUAL REPORT FILED)
  - THERE WERE 1,742 CUSTOMER GENERATION FACILITIES (1,537 RESIDENTIAL AND 205 NON-RESIDENTIAL)
  - THERE WERE THREE WIND FACILITIES FOR .135 MW GENERATING 390.258 MWH
  - THERE WERE SOLAR NET METERING FACILITIES FOR 21.065 MW GENERATING 37,940.063 MWH
  - THERE WERE 9 AGGREGATED SOLAR NET METERING FACILITIES FOR 1.730 MW RATED CAPACITY
  - THERE WAS ONE COMMUNITY ENERGY FACILITY FOR 30 KW RATED CAPACITY



# LEGISLATIVE REQUIREMENT FOR NET METERING TARIFF

- ELECTRIC SUPPLIERS SHALL PROVIDE NET-METERED CUSTOMERS ELECTRIC SERVICE AT NON-DISCRIMINATORY RATES THAT ARE IDENTICAL, WITH RESPECT TO RATE STRUCTURE AND MONTHLY CHARGES, TO THE RATES THAT A CUSTOMER WHO IS NOT NET-METERING WOULD BE CHARGED. ELECTRIC SUPPLIERS SHALL NOT CHARGE A NET-METERING CUSTOMER ANY STAND-BY FEES OR SIMILAR CHARGES.
- ESTABLISHES THAT RATES AND CHARGES FOR NET METERING CUSTOMERS SHALL NOT BE DISCRIMINATORY
- MODIFIED FIXED/VARIABLE RATES HAVE BEEN TOPIC OF DELAWARE PSC PROCEEDINGS

# NET METERING CURRENT ISSUES

- SOLAR PURCHASE POWER AGREEMENTS OR LEASES DOES NOT REQUIRE REGULATION AS AN ELECTRIC SUPPLIER BY THE DELAWARE PSC
  - VIVINT SOLAR, INC. PETITION FOR DECLARATORY ORDER PSC DOCKET NO 15-1358
  - PROPOSED ORDER NO 8800
    - EVIDENTIARY HEARINGS SCHEDULED FOR NOVEMBER 24, 2015
    - INTERVENTION AND COMMENTS REQUIRED BY NOVEMBER 10, 2015
- TIME ELAPSED FOR APPROVAL OF NET METERING APPLICATIONS



Questions  
are



Thanks for  
listening!  
Any Questions?  
No?  
SUPER!

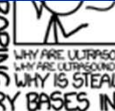


KEEP  
CALM  
AND  
ASK  
QUESTIONS

WHY DO WHALES JUMP  
WHY ARE WITCHES GREEN  
WHY ARE THERE MIRRORS ABOVE BEDS  
WHY DO I SAY UH  
WHY IS SEA SALT BETTER  
WHY ARE THERE TREES IN THE MIDDLE OF FIELDS  
WHY IS THERE NOT A POKEMON MMO  
WHY IS THERE LAUGHING IN TV SHOWS  
WHY ARE THERE DOORS ON THE FREEWAY  
WHY ARE THERE SO MANY SUCHSTODE RUNNING  
WHY AREN'T THERE ANY COUNTRIES IN ANTARCTICA  
WHY ARE THERE SCARY SOUNDS IN MINICRAFT  
WHY IS THERE KICKING IN MY STOMACH  
WHY ARE THERE TWO SLASHES AFTER HTTP  
WHY ARE THERE CELEBRITIES  
WHY DO SNAKES EXIST  
WHY DO OYSTERS HAVE PEARLS  
WHY ARE DUCKS CALLED DUCKS  
WHY DO THEY CALL IT THE CLAP  
WHY ARE KYLE AND CARTMAN FRIENDS  
WHY IS THERE AN ARROW ON AANG'S HEAD  
WHY ARE TEXT MESSAGES BLUE  
WHY ARE THERE MUSTACHES ON CLOTHES  
WHY ARE THERE MUSTACHES ON CARS  
WHY ARE THERE MUSTACHES EVERYWHERE  
WHY ARE THERE SO MANY BIRDS IN OHIO  
WHY IS THERE SO MUCH RAIN IN OHIO  
WHY IS OHIO WEATHER SO WEIRD  
WHY ARE THERE MALE AND F  
WHY ARE THERE BRIDESMAIDS  
WHY DO DYING PEOPLE REACH UP  
WHY AREN'T THERE WARRIORS ANYMORE  
WHY ARE OLD FUGGONS DIFFERENT  
WHY ARE THERE SQUIRRELS  
WHY AREN'T THERE E GRADUES  
WHY IS ISOLATION BAD  
WHY DO BOYS LIKE ME  
WHY DON'T BOYS LIKE ME  
WHY IS THERE ALWAYS A JAMA UPDATE  
WHY ARE THERE RED DOTS ON MY TIBIAS  
WHY IS LYING GOOD  
WHY ARE THERE TINY S  
WHY DO SPIDERS  
WHY ARE THERE HUGE S  
WHY ARE THERE LOTS OF  
WHY ARE THERE SPI  
WHY ARE THERE SO MAN  
WHY DO SPIDE  
WHY IS DYING  
WHY IS THERE NO GPS IN LAPTOP  
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WHY IS ARWEN DYING  
WHY AREN'T MY QUAIL LAYING EGGS  
WHY AREN'T MY QUAIL EGGS HATCHING  
WHY AREN'T THERE ANY FOREIGN MILITARY BASES IN AMERICA



WHY ARE DOGS AFRAID OF FIREWORKS  
WHY IS THERE NO KING IN ENGLAND

