



*ARIS WIND REMOTE POWER UNIT (RPU)*  
*CASE HISTORY AT*  
*PUBLIC SCHOOLS OF THE TARRYTOWNS*



10/7/2016



# RPU Project History



- **The RPU: An off-grid LED light for exterior areas, powered with wind and solar**
- **Installation: December 2015, at Washington Irving School (Rt 9, Tarrytown)**
- **Objectives:**
  - Add additional security lighting in public area without running wires/trenching
  - Consistent with school's sustainability goals, utilize renewable energy and "grid resilient" technology
  - Add a "real life" education component to the school's STEM program
- **Operation and Performance: The unit has been closely monitored by Aris Wind and has provided reliable and effective lighting, and more recently, a USB charging station**



# RPU Project History



- The RPU monitoring system was connected to the internet in April. The Washington Irving School teachers and administrators now have the opportunity to bring “live wind/solar/energy data” in to the classroom
- The RPU was upgraded to provide a “USB charging station” in June
- Feedback from public: Positive, with no complaints of noise, aesthetics, etc
- Based on the success of the first unit, an additional RPU was installed at the “Peabody Field” (Sept 2016), to provide lighting, the USB charging feature and ability to power some light 110v loads, all renewably and off-grid



# RPU – Aesthetic Aspects



Lit area of 80w LED at max brightness setting



2<sup>nd</sup> RPU at Peabody Field, Sleepy Hollow



# Options Included with Tarrytown School RPU's



Branding available  
for school



300w Turbine with 250w Solar Panel



USB charging station  
feature