



SCA Tissue North America

- ❖ Develop and Initiate a Site Development Plan
- ❖ Create and Support an Inclusive Team
- ❖ Ensure All Appropriate Stakeholders are in Early
- ❖ Measure to Manage and Share What You Learn





Site Development Planning

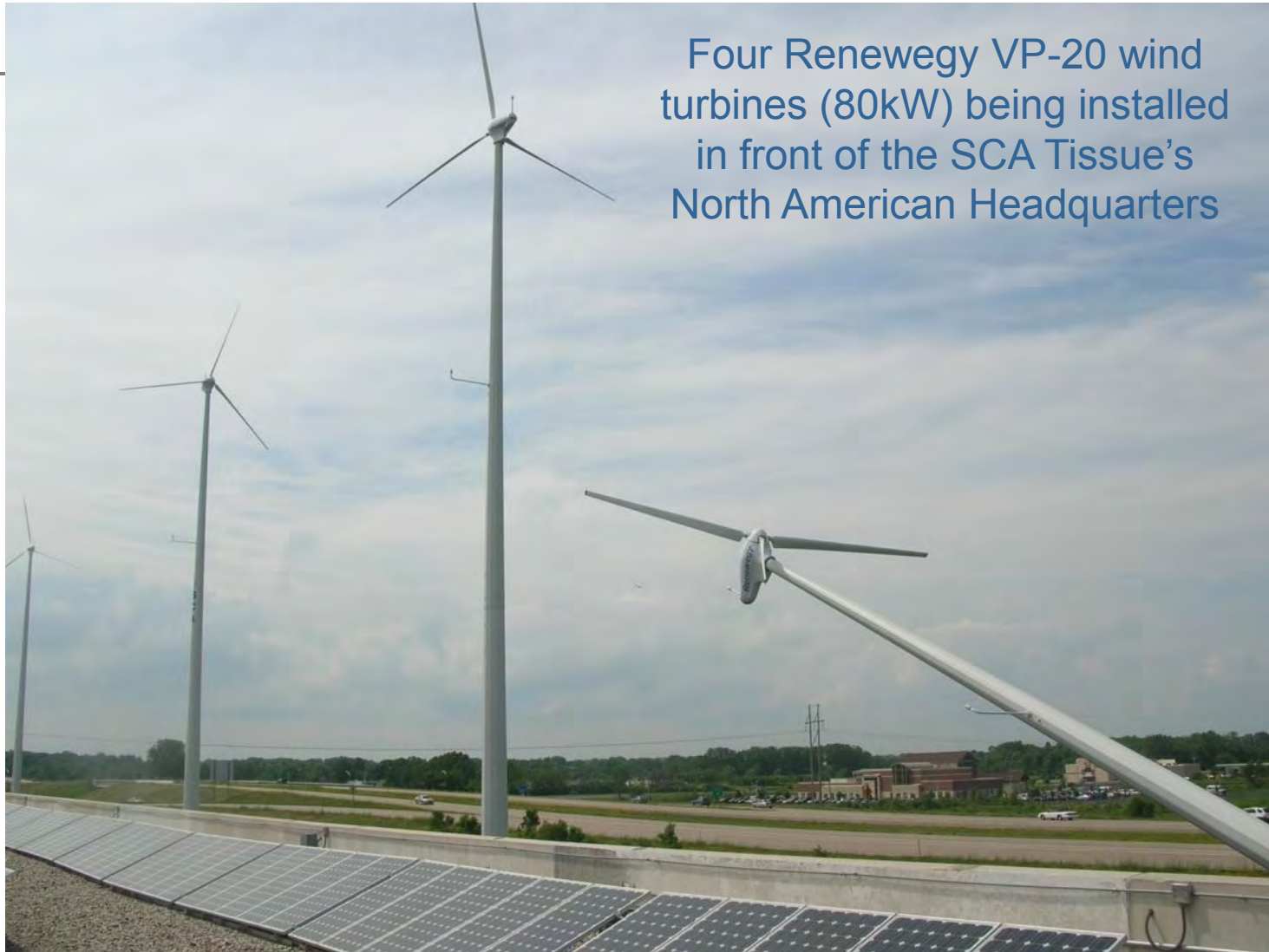
- Know What It Is That You Want to Accomplish-Have a clear goal and vision in mind

- Identify the “right” people and invite/include them in the conversation early and often
 - ◆ Town Officials & Community Development Director
 - ◆ “Neighbors” and our Landlord
 - ◆ SCA Colleagues (those inside the building)
 - ◆ Land use & Users nearby (walking & biking trail)
 - ◆ ENGO Support

- Project Partners and Mutual Prosperity



Four Renewegy VP-20 wind turbines (80kW) being installed in front of the SCA Tissue's North American Headquarters



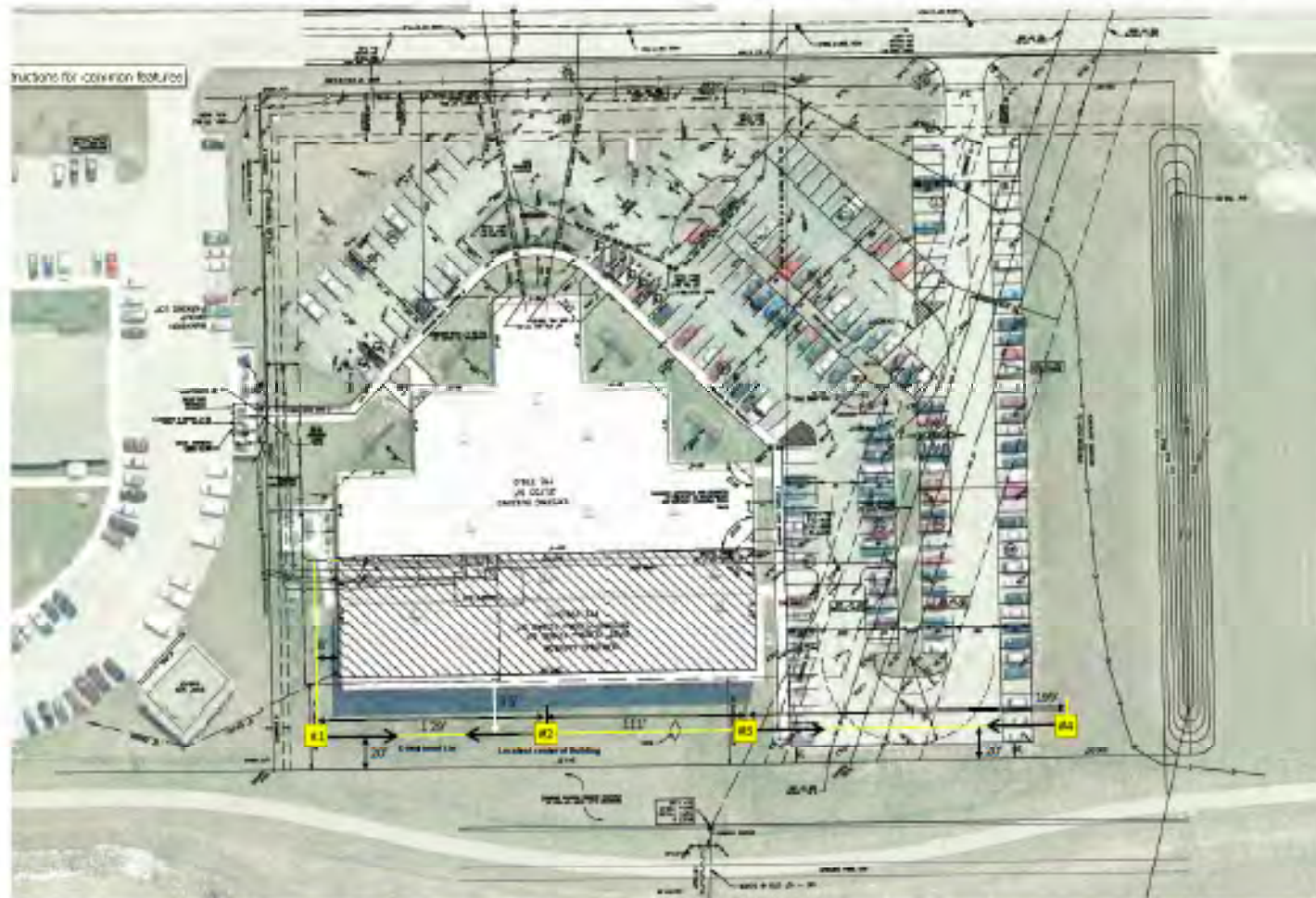
SEC Building Installed VP20 Wind Power Systems in Town of Menasha



Site Plan



SCA Tissue 80 Kilowatt Wind Turbine Site Plan – 1451 McMahon Drive, Town of Menasha



SCA Tissue – Working Towards Energy Independence



Make it where you use it

Sun and wind are working in harmony to generate up to 100 kilowatts (kW) of clean, renewable electrical energy for use within the building in front of you. Photovoltaic panels strategically placed on the roof generate up to 20 kW of electrical power. The four 20kW wind turbines work together to generate up to an additional 80 kW of electrical power.

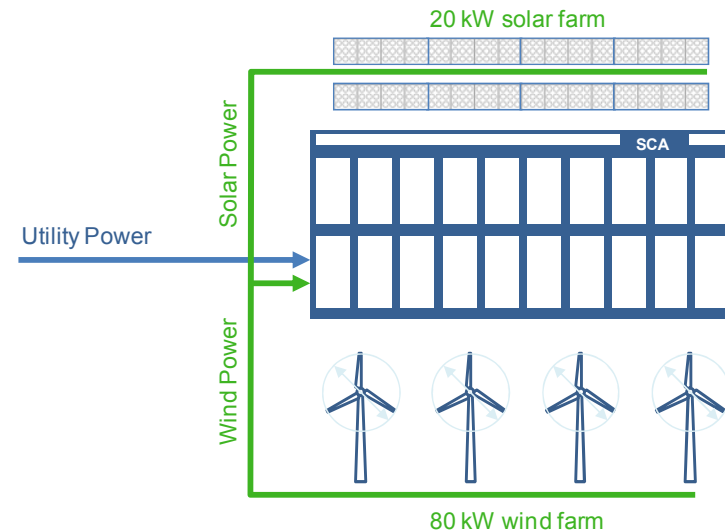


Use it where you make it

On average, the combined generating capabilities of SCA's renewable assets produce approximately 25% of the buildings energy needs saving the company approximately \$xxx annually. By producing and consuming the power locally, transmission losses associated with high tension lines are avoided. Using methods adopted by the Environmental Protection Agency (EPA), it is estimated that xx tons of CO₂ production is avoided annually.

Conservation first followed by renewable generation

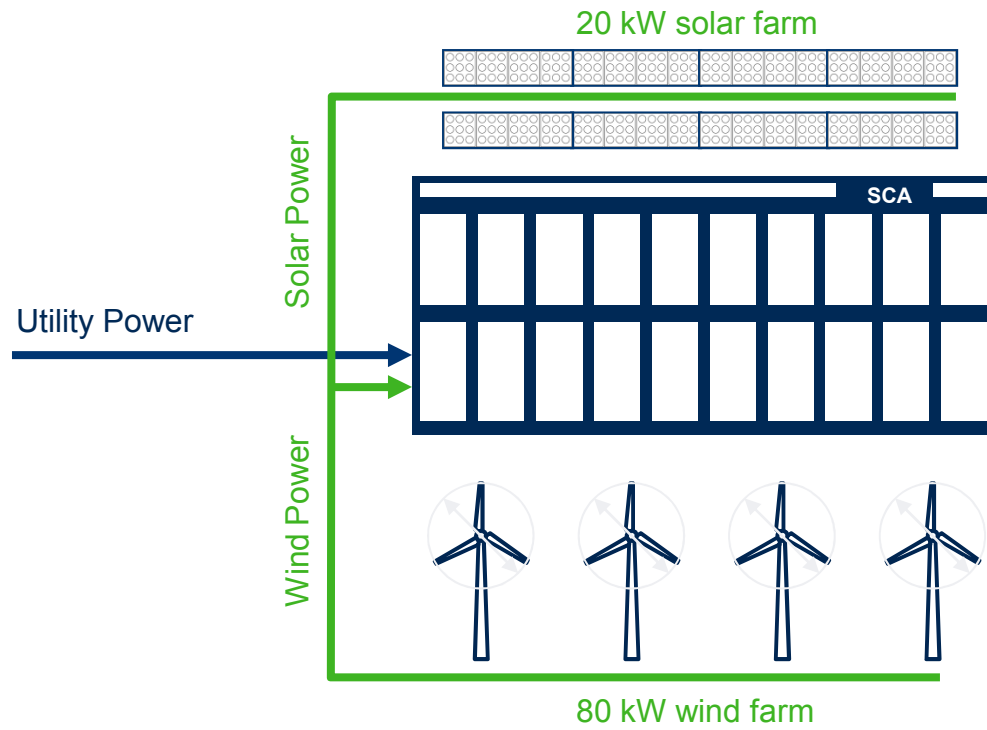
For years SCA has been working diligently to reduce consumption of our natural resources. Over the past XX years, our carbon footprint has been reduced by XX percent. While there is still more we can do, the low hanging conservation fruit has been harvested. So, now we turn to generating more of our energy needs from renewable sources.



Localized teamwork

SCA reached out to local companies, town leadership, and the community for assistance with the design and installation of our renewable energy systems. The project is being used to learn, share, and teach the benefits of localized renewable energy generation within our company and our community. Stop by our lobby if you'd like to learn more.







SCA Tissue

Service Excellence Center PV System

Current System Specifications & Details: Suntech Photovoltaic Modules

- 115 modules- 170 W DC at Standard Conditions
- 20 kW (19.55) combined DC rated output
- Utilizes a ballasted (no roof penetrations) Mounting System
- Fixed tilt angle to 25 degrees based on roof loading capabilities



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SCA Tissue Service Excellence Center PV System

Current System Current System Specifications &Details:

SMA Inverters

- Two SMA 7000 W Inverters
- One SMA 6000 W Inverter
- 97.1% & 97.0 % Peak Inverter Efficiency

Lighting

- ☐☐ New 28 watt T8 lamps have 50% more rated life than old lamps
- ☐☐ New CFL lamps have 12.5 times more life than old lamps

HVAC

- ☐☐ Taking advantage of “free” cooling capabilities (via economizers utilizing outside cooler air as a heat sink/exchange)
- ☐☐ Providing additional “air exchanges”

Office Equipment (LCD Monitors)

- ☐☐ Additional Work Space for SEC Colleagues at their desks
- ☐☐ Less heat generated