

HULSHART & ASSOCIATES, LLC

STRATEGIC CONSULTING TO THE COMMUNICATIONS INDUSTRY

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EM-SPRINT-056-111101

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phone 703.533.1006

**TRANSMITTAL**

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CONNECTICUT  
SITING COUNCIL

**DATE:** October 26, 2011

**TO:** Chairman Robert Stein, Connecticut Siting Council,  
10 Franklin Square, New Britain, CT 06051

**SUBJECT:** **Transmittal of Independent Wireless One Corporation's Notice of Intent to Make an Exempt Modification to an Existing Facility at 15 North Granby Road, Granby, CT 06035 (Site # CT33XC563)**

Included with this transmittal are six packets (one original and five copies) of:

- Letter summarizing the installation.
- 8.5" x 14" PE-stamped drawings that illustrate the site plan, equipment cabinets and electrical diagrams.
- ReliOn's fuel cell specifications titled "T-2000 4 kW Outdoor Solution".

Attached to this transmittal form is:

- One application fee check in the amount of \$625.

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October 26, 2011



Chairman Robert Stein  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

ORIGINAL

**SUBJECT: Independent Wireless One Corporation's Notice of Intent to Make an Exempt Modification to an Existing Facility at 15 North Granby Road, Granby, CT 06035 (Site # CT33XC563)**

Dear Chairman Stein:

Pursuant to R.C.S.A. Sections 16-50j-73 and 16-50j-72(b), Independent Wireless One Corporation (Sprint) hereby gives notice to the Connecticut Siting Council (Council) and the Town of Granby of its intent to make an exempt modification to an existing telecommunications facility located at 15 North Granby Road, Granby, Connecticut.

Sprint plans to install a hydrogen fuel cell at its 15 North Granby Road facility to provide emergency backup power in the event of an electric outage. This planned installation does not constitute a modification subject to the Council's review as it falls within those activities provided for in R.C.S.A. Section 16-50j-72(b)(2). Specifically, this installation will not change the height of the existing tower, will not extend the boundaries of the existing compound, will not increase noise levels at the site by six decibels or more, and will not increase the total radio frequency electromagnetic radiation power density at the site to levels above applicable standards.

#### PROPOSED INSTALLATION

Sprint plans to install a 4 kW ReliOn hydrogen fuel cell generator within the existing fenced equipment compound; the installation mounted to a new concrete pad. The fuel cell will be inside a cabinet measuring 3'4" x 2'4" x 6'0". There will also be a hydrogen cylinder storage cabinet with overall dimensions of 4'8" x 4'8" x 6'0".

Please contact me at 703.533.1006 or [Hulshart@earthlink.net](mailto:Hulshart@earthlink.net) should you have any questions about this planned modification.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Hulshart", with a long horizontal flourish extending to the right.

Mark Hulshart  
Principal

cc: Mr. William F. Smith Jr., Granby Town Manager (government representative and property owner)

# Outdoor Solution



Features:

- T-2000® Outdoor Solution
- Ideal for site loads ranging from 0 – 4kW
  - Simple installation
  - Minimal site footprint
- Modular fuel storage solutions available for extended run capabilities

Dimensions (w x d x h)	27.5" x 41" x 72" (70 cm x 104 cm x 183 cm)
Weight	654 lbs / 297.3 kg without cylinders
Rated net power	0 to 4,000 Watts
Rated current	0 to 160A @ 24 VDC / 0 to 80A @ 48 VDC
DC voltage	24 or 48 VDC nominal
Fuel Composition	Standard industrial grade hydrogen (99.95%)
Supply pressure to unit	3.5 to 6 psig / 24 to 41 KPag / 0.24 bar to 0.41 bar
Fuel Consumption	60 slpm @ 4,000 Watts
Hydrogen Storage Capacity	Modular fuel storage solutions available
Ambient temperature	-40°F to 115°F / -40°C to 46°C
Relative humidity	0 to 95% non-condensing
Altitude	-197 ft to 13,800 ft / -60m to 4,206m
Location	Outdoors
Safety Compliance	UL/CSA/CE/NEBS
Water emissions	Max. 30mL / kWh
Noise	47 dBA @ 5 ft
Remote Monitoring/Control	System configuration & status / Historical & operational data
Communications	RJ45 / DB9/ Dry Contact