



MECHANICAL SERVICE & MAINTENANCE

HERMANSON TELECOM



TELECOM MECHANICAL SERVICE

YOUR TELECOMMUNICATIONS ENVIRONMENTAL CONTROLS PARTNER

Society depends on telecommunications for fast, reliable connectivity to emergency services, business to business interactions, educational offerings, and friends and families through internet and cell services. Hermanson employs a dedicated team of telecommunications technicians providing regularly scheduled maintenance and critical, on-demand, 24/7 emergency service to cell tower base stations across Washington, Oregon, and northern Idaho.



50+
SERVICE
TECHS



24/7
HOUR
AVAILABILITY



4,000+
LOCATIONS
SERVED

As severe weather events become more common, Hermanson's specialized technicians have the training and equipment needed to respond to service calls in any terrain.

Our technicians drive four-wheel-drive trucks loaded with parts and tools, equipped with 100 gallons of diesel fuel to keep generators running during power outages, and 50 gallons of fresh water to use for hot site cool down situations.

Hermanson works to build trusted relationships and deliver inspired results throughout the PNW. While continuing to support established networks, we look to grow partnerships focused on development of future rural telecom infrastructure.

Certifications held by Hermanson Telecom Technicians include:

- > Airsys
- > RF Awareness
- > Bard
- > Marvair

Hermanson partners with Legacy Power Systems for generator maintenance and emergency response.

Through Legacy, Hermanson has 24/7 access to Snow Cats, UTV, and snow shoes that aid Technicians in providing dependable standby power during severe weather events.

"HURRICANE-FORCE WIND GUSTS IN FORECAST ALONG OREGON COAST; WIND ADVISORY, FLOOD WATCH EXTEND INLAND"

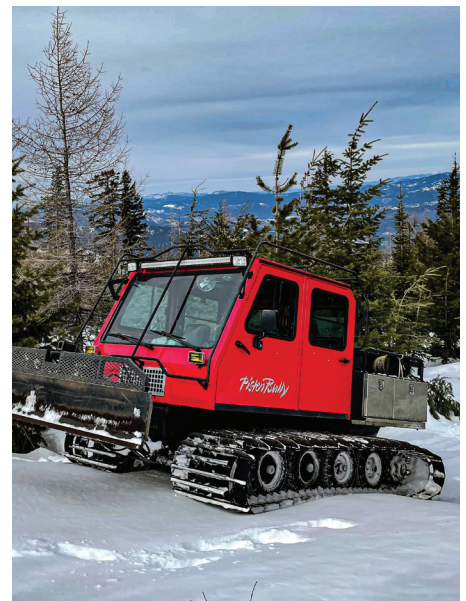
Just as residents prepared to return to work and school after the holiday break, 70 mph wind gusts downed trees and caused extensive power outages across southern Oregon.

By Monday morning, Hermanson's Oregon Telecom Technician, Jalen Brooks, began receiving notification that dozens of cell tower sites had lost power and had switched to generators to continue relaying cell tower signals.

Jalen knew he was in for a long week. Attempting to gain access to one area of cell sites, he discovered 60 yards of

road washed out and more than 10 trees downed across the access road.

Over the next week, Hermanson Telecom Technicians delivered 1,100 gallons of fuel to keep generators running until commercial power was restored. Jalen repeatedly traveled between Astoria and Gold Beach ensuring that generators were topped off to their 170-gallon capacity. The team's dedication to meeting our customers needs in the most difficult of circumstances assured that vital emergency communications continued uninterrupted during this extreme winter storm.



TELECOM MECHANICAL SERVICE



10,000+
ASSETS
MANAGED



100%
STOCKED
FOR REPAIRS



4x4
TRUCKS

YOUR #1 FULL SERVICE PARTNER

Hermanson is uniquely positioned to provide simple and cost-saving solutions to the Pacific Northwest's most sophisticated telecom systems and complex equipment. Discover what we're capable of together.



EMERGENCY RESPONSE

Emergency services outside of the contract will be available at any time, day or night.

Emergency After Hours

After-Hours Operator will take your call and an On-Call Tech will return your call within minutes.

REGULAR BUSINESS HOURS

Monday – Friday
7:00AM – 4:00PM
(866) 575-7574

FOR MORE INFORMATION Please contact a service representative

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CHRIS KETTMAN

Owner Direct Projects

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SCOTT BIRDSSELL

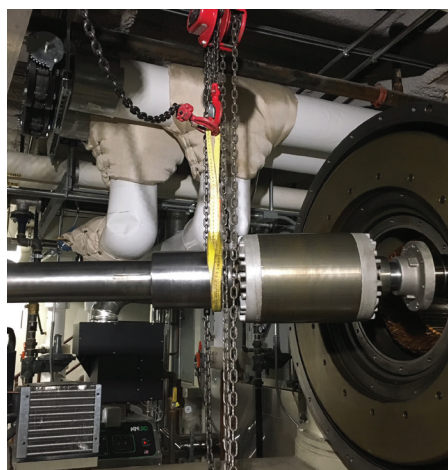
Telecom Foreman

(509) 771-7176

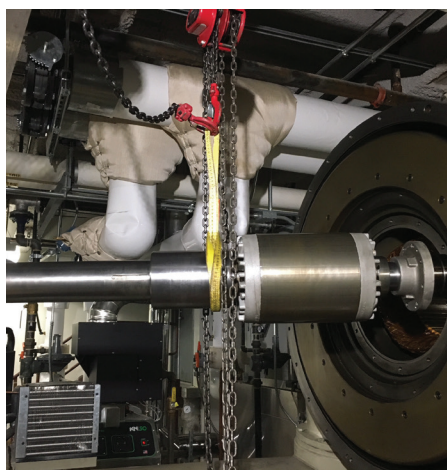
sbirdsell@hermanson.com



RTU/AHU/AH/MAU/DX Split System (Major Inspection) Task List	Preventative Maintenance	Comprehensive Maintenance
Replace fillers (per agreement)	X	X
Visually inspect condensate line	X	X
Visually inspect for worn parts	X	X
Check electrical connections	X	X
Lubricate bearings	X	X
Check safety controls	X	X
Check temperature difference across coil(s)	X	X
Run unit full cooling (Spring-Summer) /full heating cycle (Fall-Winter)	X	X
Create list of recommendations	X	X
Replace belts (per agreement)	X	X
Check drive and drive alignment	X	X
Install condensate pan tablet to inhibit bacterial/algae growth	X	X
Check economizer operation	X	X
Check thermostats settings	X	X
Clean condenser coils	X	X
Check and record amp draws for compressor(s) and fan motor(s)	X	X
Repair or replacement of any maintainable part at no additional cost	-	X
Labor and material for service and maintenance during normal business hours	-	X



Shelter/Pop/Hut (Wall Mounts)	Preventative Maintenance	Comprehensive Maintenance
Stop Checks:	X	X
-Record Set points	X	X
-Change Air Filters	X	X
-Pressure Wash Condenser Coils	X	X
-Clean fresh air screen (if applicable)	X	X
-Check Capacitor Capacitance	X	X
-Check Contactor Points	X	X
-Preform visual inspection for leaks	X	X
-Check Fan blades and mounts for cracks	X	X
-Check Fan bearings for resistance or play	X	X
-Verify Condensate Drain line clear of obstructions	X	X
-Verify electrical connections	X	X
Run Checks:	X	X
-Check Supply High and Low Voltage	X	X
-During Mechanical run sequence check Amp draw: Compressor, Condenser fan, Evaporator fan	X	X
-During Mechanical run sequence check supply and return air Delta	X	X
-During Mechanical run sequence check discharge line temp	X	X
-Check Economizer operation for free movement	X	X
-Check Electric Heater Amps (If applicable)	X	X
-Check Reversing Valve Operation (If applicable)	X	X
-Verify Set points of Economizer and Lead Lag Controller	X	X
Repair or replacement of any maintainable part at no additional cost	-	X
Labor and material for service and maintenance during normal business hours	-	X



Cabinet with Mechanical Cooling	Preventative Maintenance	Comprehensive Maintenance
Stop Checks:	X	X
-Record Set points	X	X
-Change or Clean Air Filters (If applicable)	X	X
-Blow out Condenser Coils with Compressed Air	X	X
-Clean fresh air screen (if applicable)	X	X
-Check Capacitor Capacitance	X	X
-Check Contactor Points (If applicable)	X	X
-Preform visual inspection for leaks	X	X
-Check Fan blades and mounts for cracks	X	X
-Check Fan bearings for resistance or play	X	X
-Verify Condensate Drain line clear of obstructions	X	X
-Verify electrical connections	X	X
Run Checks:	X	X
-Check Supply High and Low Voltage	X	X
-During Mechanical run sequence check Amp draw: Compressor, Condenser fan, Evaporator fan. (If AC Volt powered)	X	X
-During Mechanical run sequence check supply and return air Delta	X	X
-During Mechanical run sequence check discharge line temp	X	X
-Check Electric Heater Amps (If applicable)	X	X
-Verify Set points Lead Lag Controller	X	X
Repair or replacement of any maintainable part at no additional cost	-	X
Labor and material for service and maintenance during normal business hours	-	X



Cabinet with Heat Exchanger	Preventative Maintenance	Comprehensive Maintenance
Stop Checks:	X	X
-Record Set points	X	X
-Change or Clean Air Filters (If applicable)	X	X
-Blow out Exchanger with compressed air	X	X
-Clean fresh air screen (if applicable)	X	X
-Check Fan blades and mounts for cracks	X	X
-Check Fan bearings for resistance or play	X	X
Run Checks:	X	X
-Check Supply Voltage	X	X
-Run Exchanger fans and verify proper airflow	X	X
-Check Electric Heater Amps (If applicable)	X	X
-Verify Set points Lead Lag Controller	X	X
Repair or replacement of any maintainable part at no additional cost	-	X
Labor and material for service and maintenance during normal business hours	-	X

