HES energynet 10x12 Fiber Hut Request for Proposals (RFP)

10x12 Fiber Hut – Turnkey Design, Fabrication, and Installation

Hopkinsville Electric System | energynet (HES) is issuing this Request for Proposals (RFP) for the design, fabrication, delivery, and installation of a prefabricated 10x12 fiber equipment hut.

1. Project Overview

The proposed hut will support fiber network electronics and operations for the HES | energynet North Christian / Crofton service area. The successful respondent shall provide a turnkey solution including engineering compliance, fabrication, site coordination, setting, and final acceptance.

2. Scope of Work

The Scope of Work shall include, but is not limited to, the following:

- Furnish a factory-built 10x12 prefabricated fiber equipment hut
- Design and construction shall conform to all requirements listed in this RFP.
- Structural, electrical, HVAC, grounding, and interior build-out.
- Coordination with HES for site readiness and utility interfaces.
- Delivery, offloading, placement, and leveling of hut onto owner-provided foundation or pad.
- Final inspection and acceptance.

3. Technical Specifications

1. General Requirements

- Prefabricated, factory-built fiber equipment shelter
- Nominal exterior footprint: **10 ft × 12 ft**
- Delivery as a **complete, enclosed, weathertight structure**
- Vendor responsible for design compliance, fabrication, transport, and placement
- All construction shall conform to the referenced drawing set in form, fit, and function.

2. Structural & Building Construction

Hut Construction

• Precast or modular concrete construction (single-piece or sectional)

• Monolithic or panelized walls designed for long-term outdoor utility use

• Reinforced concrete floor system rated for telecom equipment loading

• Integrated lifting and setting hardware

Structural Performance

• Designed for applicable wind, seismic, snow, and uplift loads per local/state code

• Roof designed to support HVAC units without supplemental framing

• Fully enclosed structure with no exposed structural steel

Foundation Interface

• Designed to set on a flat, owner provided concrete pad or foundation

• Embedded floor penetrations coordinated to conduit stub-ups

• Vendor to provide foundation loading requirements and setting tolerances

3. Door, Access & Security

• Single outward swing personnel equipment door

• Steel or aluminum utility grade door assembly

• Heavy-duty hinges with tamper resistance

• Multipoint locking or padlock ready hasp system

• Door gasketed and weather sealed

• Door size and swing direction per drawings

4. Interior Layout & Build-Out

• Interior clear dimensions suitable for fiber racks, cabinets, and battery systems

• Interior wall surfaces suitable for mounting equipment

• Anchoring system or embedded inserts for racks and frames

• Finished interior floor (sealed concrete or protective coating)

• Interior lighting provided

5. HVAC System

- Wall mounted or ceiling mounted split or packaged HVAC system
- Sized for continuous operation of telecom electronics
- Redundant or lead/lag configuration
- Thermostat controlled automatic operation
- Condensate management fully contained
- External condenser protection

6. Electrical System

Service & Distribution

- Single electrical service entrance compatible with outdoor generator
- Main breaker/panelboard mounted inside hut
- Branch circuits dedicated for:
  - HVAC system(s)
  - Lighting
  - Convenience receptacles
  - Network/equipment loads

Interior Electrical

- Minimum one duplex 120V receptacle
- Interior LED lighting with wall switch
- Exterior light fixture

Code Compliance

- NEC compliant
- All wiring concealed and protected
- Factory-installed and tested prior to delivery

7. Grounding & Bonding

- Integrated grounding system bonded to:
  - Structural steel/reinforcement
  - Electrical panel
  - Equipment racks
  - HVAC systems
- External ground bar or ground lug
- Grounding provisions coordinated to site grounding grid

8. Cable Entry & Conduit Interfaces

- Pre-cast or factory-installed wall or floor penetrations
- Sleeves sized and located per drawings
- Conduit entries sealed and watertight
- Knockouts or stub-ups coordinated for fiber, power, and grounding

9. Exterior Features

- Neutral exterior finish suitable for utility substations/ROWs
- No owner, manufacturer, or project branding required
- Exterior surfaces suitable for grounding attachment
- Fully weather-resistant and vermin-proof

10. Inspection, Testing & Delivery

- Factory QA/QC prior to shipment
- Electrical and HVAC systems tested before delivery
- Vendor responsible for:
  - Trucking
  - Off-loading
  - Placement onto foundation
- Final acceptance subject to owner inspection

4. Proposal Requirements

Respondents shall submit the following information:

1. Company information and primary point of contact
2. Description of proposed hut solution and confirmation of compliance with specifications
3. Schedule from notice of award to delivery and installation
4. Itemized pricing (hut, delivery, setting, optional items)
5. Warranty information
6. Relevant project experience (minimum three similar huts)
7. Certificates of insurance

5. Evaluation Criteria

Criteria	Weight (%)
Technical Compliance	35
Cost & Value	25
Comparable Experience	20
Project Schedule	10
Warranty & Support	10

6. Schedule & Submission

Proposal submission deadlines, evaluation timeline, and award procedures shall follow the same format and requirements outlined in the HES | energynet FTTH Completion RFP unless otherwise amended by HES.

7. Important Dates

RFP's emailed to recipients- 6/18/26

Returned RFP's- 7/8/26

RFP Opening- 7/9/26

RFP Award Date- 7/10/26

Contact: broberson@hop-electic.com

*Send all questions to the email above.