

# Fishers Island Telephone

Fiber Implementation Project

13 February 2024

ICB Meeting

# Fishers Island Broadband History

## Dial-up Modems

- Maximum bandwidth was 56Kb over telephone lines
- Connecting with internet provider modems was a long distance call
- Voice calls were blocked during data connections

## ADSL – Asynchronous Digital Subscriber Line

- Maximum download bandwidth was 3Mb over copper telephone lines
  - Bandwidth would decrease with distance from the Central Office
- Maximum upload bandwidth was 1Mb
- Rain, water & Lightning can cause connection issues

## VDSL – Very high speed Digital Subscriber Line

- Maximum download bandwidth is 25Mb over copper
  - Bandwidth decreases with distance from the Central Office
- Maximum upload bandwidth is 25Mb
- Rain, water & Lightning can cause connection issues

## FTTH – Fiber To The Home

- Maximum download and upload bandwidth is 10Gb
    - Bandwidth is not distance limited
- FITC offering today up to 500Mb maximum
- Not affected by atmospheric conditions



# Support

- **FITC has 7x24x365 support**
  - Internal Network Monitoring is 7x24x365
    - Voice and Data Network issues are flagged and dispatched to technicians
  - **Business Hours** – Monday thru Friday - 8am to 4pm
    - Representative takes the call and opens a ticket
    - Ticket is dispatched to technicians immediately
    - On-site Response time during normal business hours is usually less than 2 hours
  - **After Hours** – Monday thru Friday – 4pm to 8am and Saturday thru Sunday and Holidays - 24 hours
    - Call back with problem determination and On-site Response time, depending on severity, is less than 4 hours
- **Support Contact: +1-631-788-7001**

# Fiber Optics

- **Fiber optics** is the science of transmitting data, voice, and images by the passage of light through thin, transparent fibers.
- Fiber optic cable is made of glass and smaller than a hair
- One fiber can transmit to multiple subscribers
- Lasers are used to transmit internet, voice, and video through the Fiber
- Fiber does not have the distance limitations as Copper Wire
- Fiber is not susceptible to corrosion or lightning
- Fiber can transmit significantly higher bandwidths up to 100Gb
- Fiber facilitates low latency connections to the internet

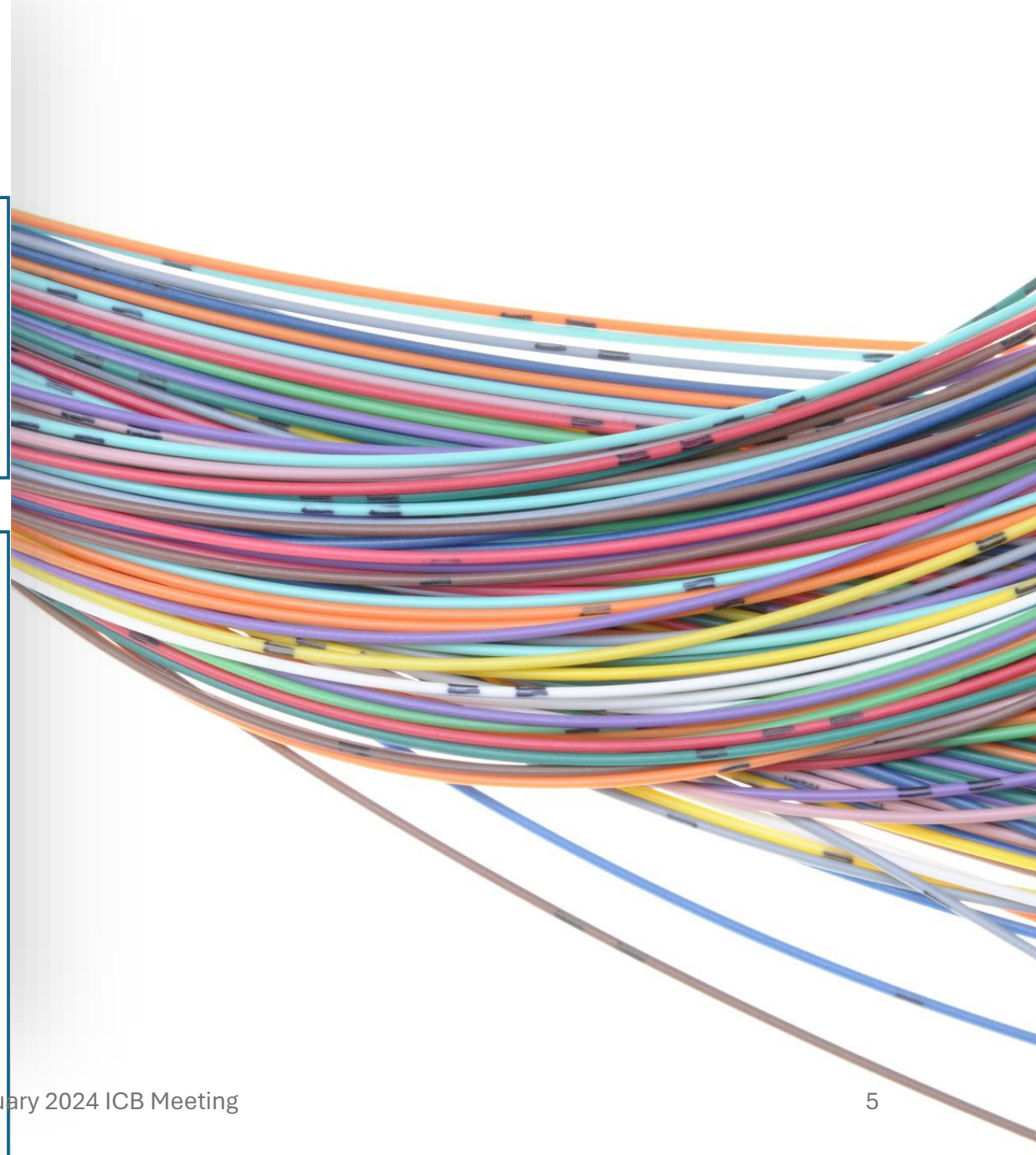
# EverNet Projects

## EverNet I Project

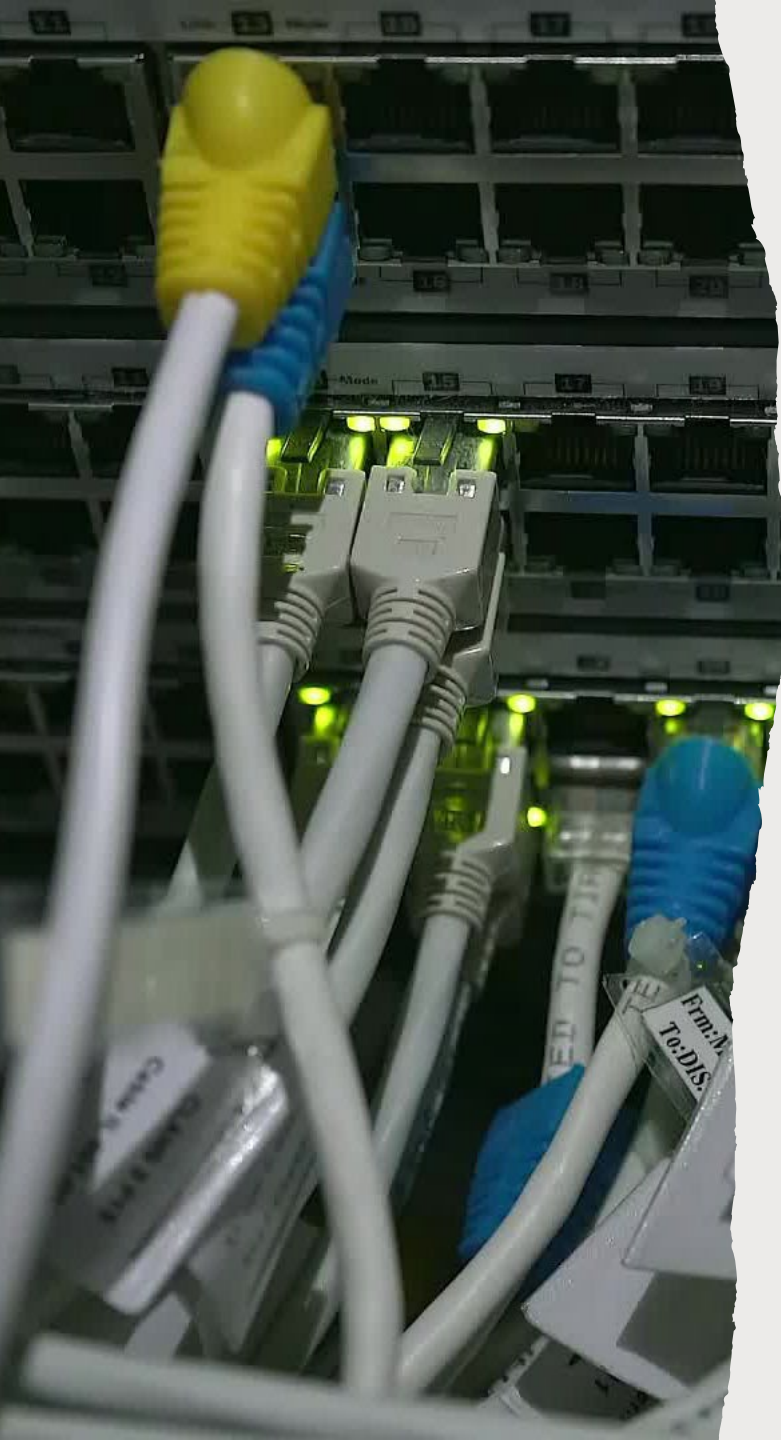
- Purpose to improve the overall telecommunications for the Community with Voice and Data network upgrades
- Fiber to the Node with VDSL distributed to customers to minimize the distance limitation of Copper
- Offering up to 25Mb of bandwidth

## EverNet II Project

- Fiber To The Home implementation deploying a fiber to everyone's premise and retiring of the aging copper cables
- Implementation plan is to build out the fiber from the Central Office (FICO South, West, and North) and expand outward to the Eastern and Western ends of the island
- Offering up to 500Mb of bandwidth today
  - **50 First Adopters signed up with our special bundle**
    - Premier Gold – 500Mb 5 year contract includes telephone and long distance for \$205 per month
    - Premier Silver – 250Mb 3 year contract includes telephone and long distance for \$205 per month
  - **Offer is open for additional first adopters** in the FICO South, West, and North sections of our project.



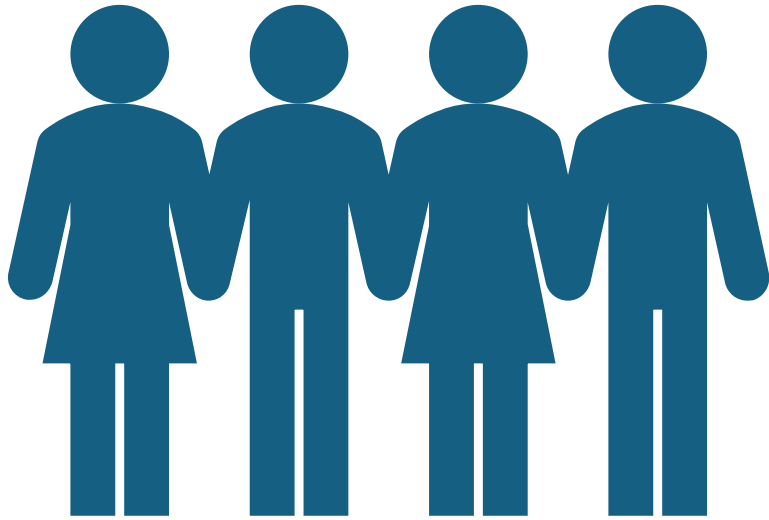




# EverNet II Implementation

- Central Office
  - State of the Art Electronics are installed and in operation
  - Redundant network equipment is in place
  - Battery Backup with Generator support
- FICO – South (along Montauk Ave)
  - Completed infrastructure build June 2023
  - Premier customers installed and operational
- FICO – West (along Equestrian)
  - Infrastructure 90% complete December 2023
  - Premier customers being added
- FICO – North (Along Crescent to Market)
  - Infrastructure being built
- Hungry Point & Top of the World
  - Planned start late spring / summer 2024
- Stone Hut (Along Whistler)
  - Planned start for fall 2024
- Other locations to be scheduled

# Community Support



- Fishers Island Telephone has been able to upgrade and improve our network because of the invaluable support from the Island Community.
- Building the Fiber To The Home Network with the support of the entire community will enable Fishers Island to continue to connect and communicate with the rest of the world accessing the new higher bandwidth technologies that are coming down the road.

# Fishers Island Telephone Corporation

Steve Head

Telecom Superintendent

+1-631-788-7001 x4

shead@fiuc.net