

The NBN

on St Huberts Island

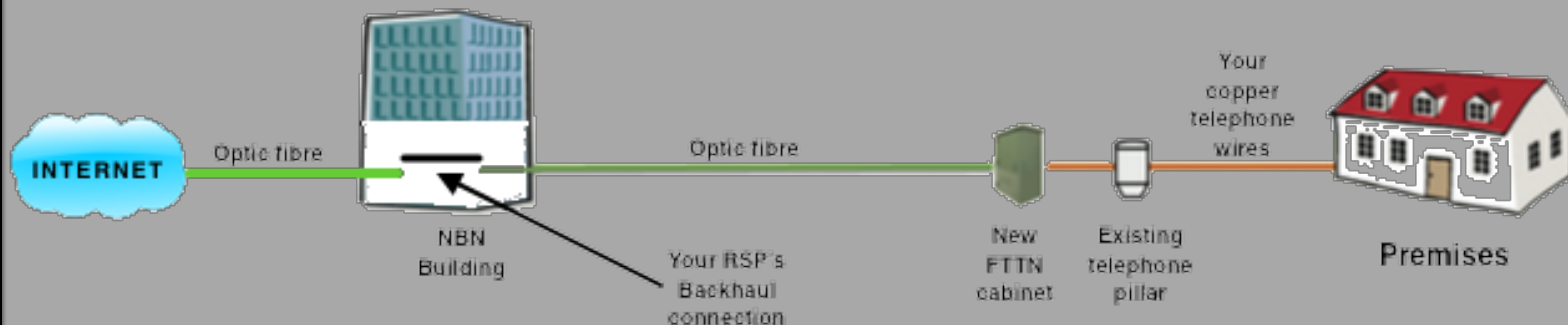
QUESTION & ANSWER at the end of this presentation



by Steve Steele
(who is not really an NBN guru!)

What is the NBN?

St Huberts Island:
Our NBN is FTTN (Fibre to the Node)



What is the NBN?



Optic



Premises

What is the NBN?

INTERNET

See “**Your nbn connect kit**” that arrived in your letterbox last week for more info



Your nbn[™] connect kit

It's time to connect your landline phone and internet to the nbn[™] network.

 Australia's broadband network
bring it on











The advertisement features three people sitting on a grey sofa. A man in a blue shirt and cap is standing behind the sofa, holding a game controller. A man in a striped shirt is sitting on the left, also holding a game controller. A woman in a green patterned shirt is sitting on the right, holding a tablet. There are colorful bubbles around them. A brown bag is on the floor next to the sofa.























Premises











The Basics – keeping it simple

- Your current ISP (Internet Service Provider) should contact you
- You can choose a new RSP (Retail Service Provider)

	Advanced NBN
	Aniffel
	Arcon Communications Pty Ltd
	Boom Broadband - 1300 00 BOOM
	DeVoteD NBN
	Faxem
	Infinity NBN
	Internode - 1300 NBN NOW
	Nobleheart Telecommunications
	NuSkope

	Engin
	Enoxtel
	EscapeNet
	EveryNet
	Exetel - 1300 EXETEL
	Fairtel
	Fantel
	GoInternet
	Graytech Hosting Pty Ltd
	Harbour ISP

	One Dial
	OntheNet
	Optus
	Oracle Telecom
	Origin Telecom
	PeakConnect
	Phone Systems Brisbane
	PowerCom Pacific
	Prisim Telecom
	Q Telecom

	Telstra
	Telstra Business
	Trinity Telecom
	V4 Telecom
	Value Telecommunications
	Vaya
	Veetel
	Westnet
	Your Call Telecom
	ZettaNet

Your RSP

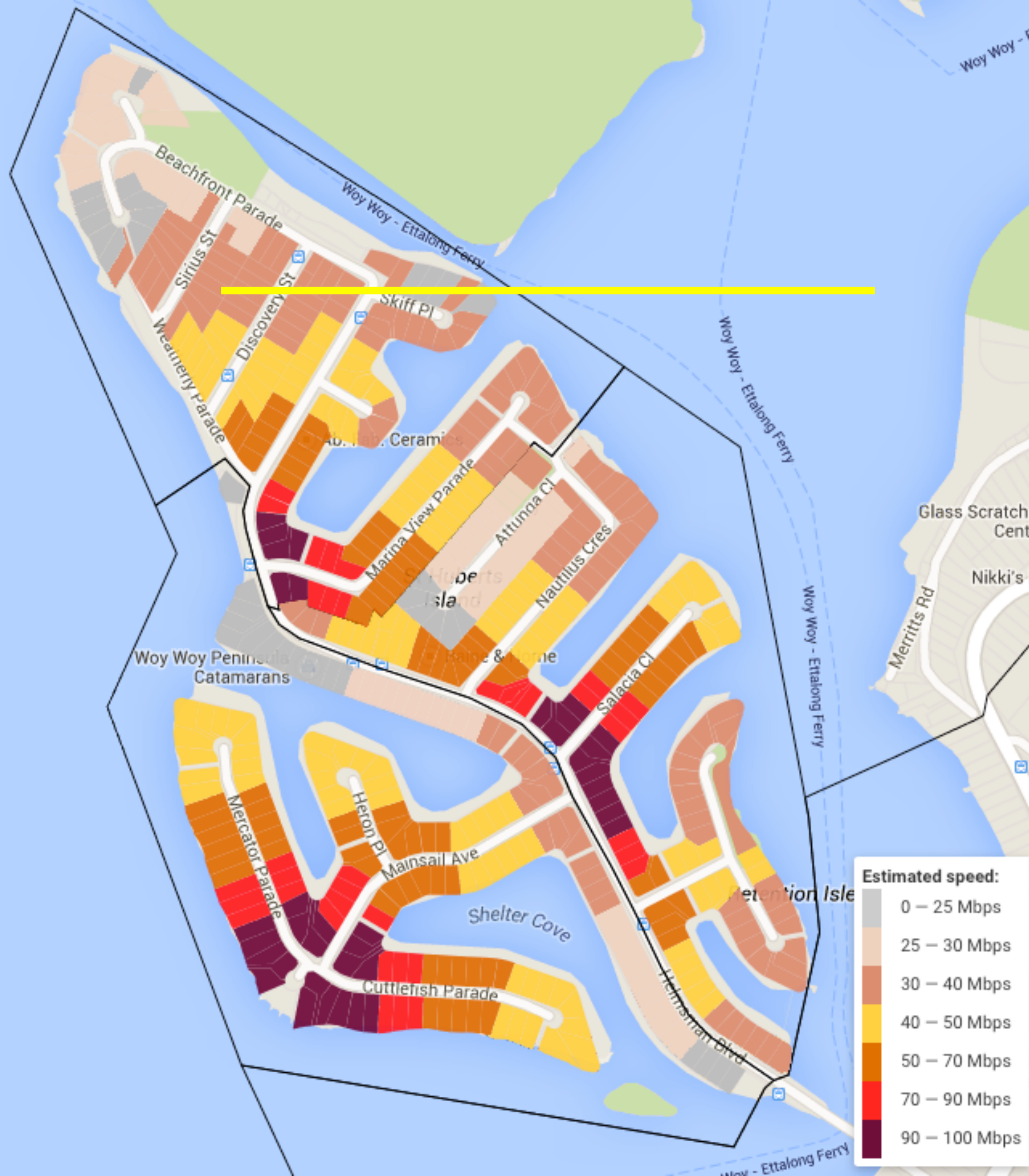
- **RSPs will try to sell you an NBN connection... you need to consider:**
 - ★ Internet speed in Mbps (megabits per second)
 - ★ Data quota in GB per month (gigabytes per month) - before you pay more or it slows down
 - ★ Keep existing phone or get a VoIP phone
 - ★ Type of Modem - WiFi? VoIP port?
 - ★ Do you currently have a medical alarm/back-to-base security/EFTPOS/etc
 - Medical Alarm: register at nbn.com.au/medicalregister**
 - Others: contact the manufacturer/supplier/provider of the device**
- **All these are components of your final chosen NBN Plan**

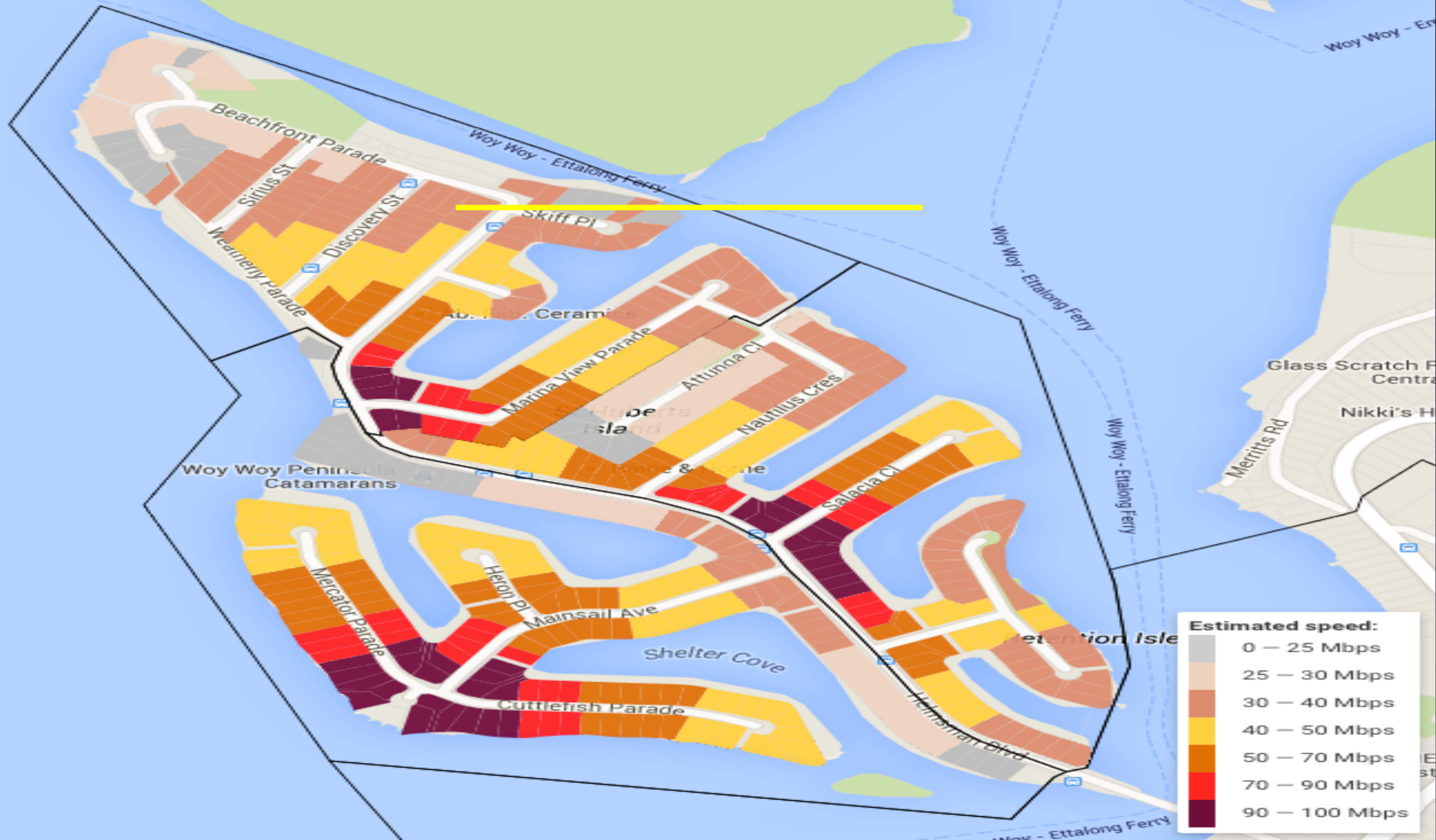
Internet Speeds

(Mbps - megabits per second)

- How quickly Internet data comes into and out of you house
- Speed is measured as download (into your house) then upload (out of your house)
- NBN Co has a set choice of speeds (download/upload):
12/1 25/5 50/25 100/40
- RSPs don't offer all speeds - and they can have strange descriptive names - Basic/Boost/Bundle M/XXL/Standard

- How quickly I can use
- Speed is measured in Mbps (out of your house)
- NBN Co has a map that is descriptive
- RSPs don't offer names - Basic





Data Quota

(Gigabytes per month)

- A measure of how much data moves to and from your house
- BEFORE... the quota possibly only included download data
- NOW... it very likely includes download AND upload data. Check this!
- If you exceed your monthly data quota -
 1. You may need to pay for extra data
 2. Your NBN speed may be SHAPED - slowed down till the end of the billing month
- Your plan may include an UNLIMITED data quota... so no issues

Your Phone

(A decision needs to be made)

- **About 18 months from now (mid-2017), all your devices connected to your phone line will be cut-off. These include -**
 - ❖ your landline phone —> change to a VoIP phone
 - ❖ your ADSL Internet —> change to the NBN
 - ❖ your fax machine —> use VoIP or talk to your RSP
 - ❖ your medical alarm —> you **MUST** register with NBN Co and talk to your alarm provider
- **For any other devices... talk to your device provider and/or your RSP**

VoIP

(Voice over Internet Protocol)

- If you intend having a “landline” phone, it will need to be a VoIP phone
- VoIP is a way of using your current (analog) handset through the NBN, onto the Internet, then back to the normal landline and mobile phone systems
- When your VoIP phone has been setup with your RSP’s help, it will work the same as before.
- You simply plug it in to the VoIP socket on your new modem
- You can keep your existing phone number
- Your new phone may well come with free local and national calls, and a lot cheaper for international and mobile calls

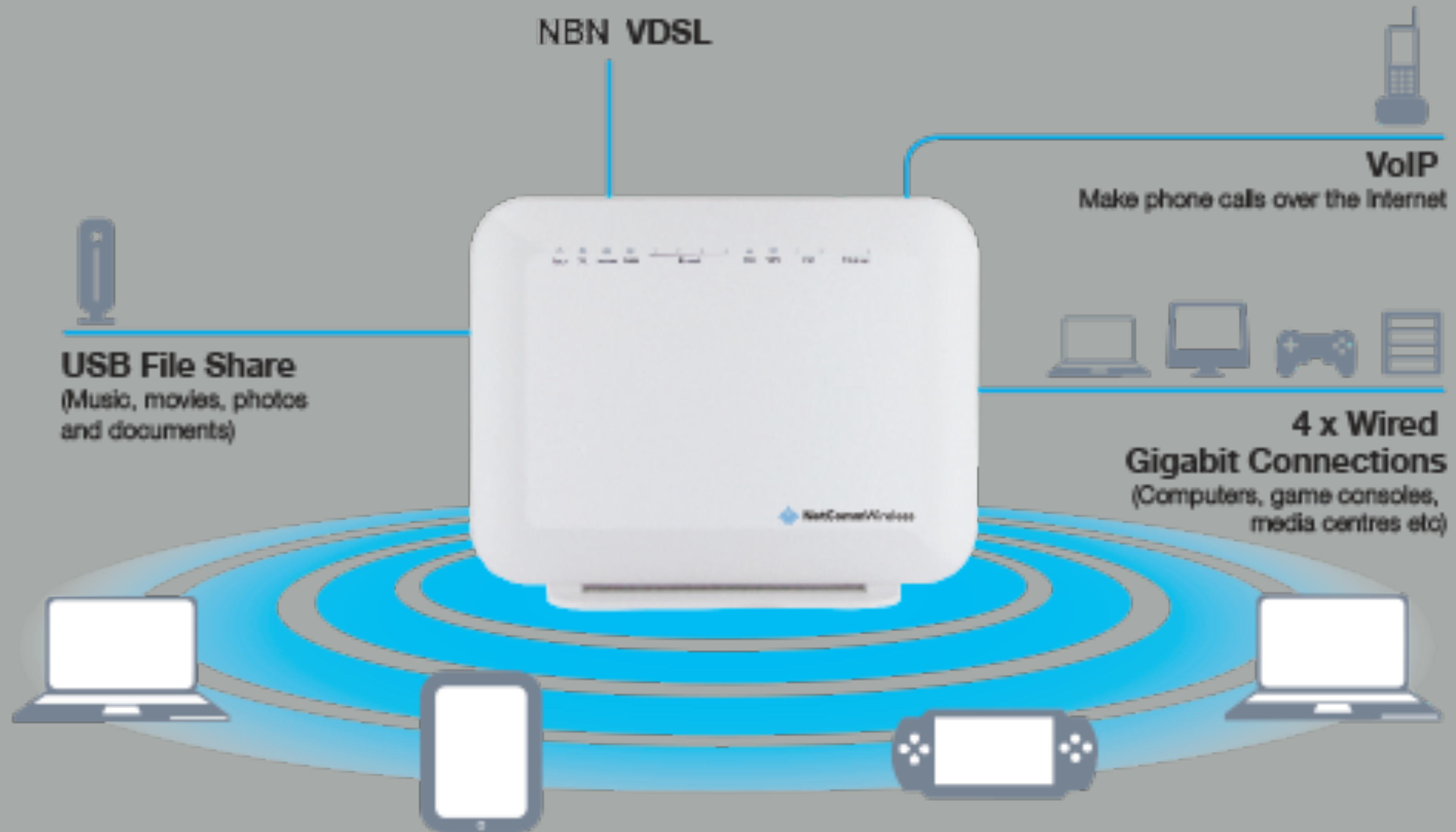
Your new Modem

(You will need a new modem for the NBN)

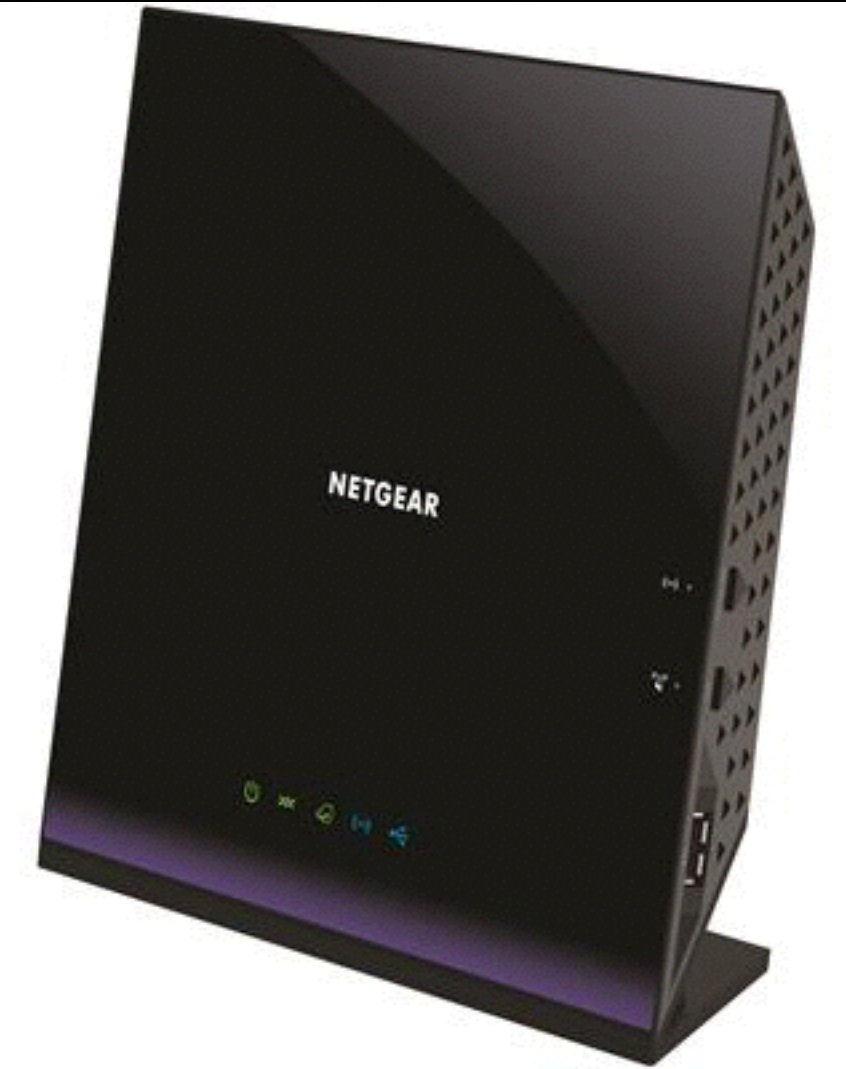
- The Fibre to the Node version of the NBN on St Huberts uses VDSL2
- You will need a VDSL2 capable modem
- Your chosen RSP should give you one free of charge
- It will most likely be WiFi capable - ? a/b/g/n/ac (54/11/54/300/1000+ Mbps)
- It may/may not have a VoIP port - or use an ATA (analog telephone adapter)
- May be a media server - DLNA (Digital Living Network Alliance)



Your new WiFi Modem – what it should do



Your new Modem – and their shapes



Your new Modem – and their shapes




Your NBN Plan

(Choosing an NBN plan can almost be like choosing a Mobile phone plan!!)

NBN BUNDLE

No Lock-in Contract

M	50GB Peak / Off peak (25GB + 25GB) ~	EXTRA UNLIMITED Data Usage	L	500GB Peak / Off peak (250GB + 250GB) ~	XXL UNLIMITED 🐉 Data Usage
Up to 12Mbps download speed#		Up to 12Mbps download speed#	Up to 25Mbps download speed#		Up to 100Mbps download speed#
Wi-Fi Modem Included		Wi-Fi Modem Included	Wi-Fi Modem Included		Wi-Fi Modem Included
Digital Voice Service		Digital Voice Service	Digital Voice Service		Digital Voice Service
Local Calls Unlimited		Local Calls Unlimited	Local Calls Unlimited		Local Calls Unlimited
National Calls Unlimited		National Calls Unlimited	National Calls Unlimited		National Calls Unlimited
13/1300 Calls Pay As You Go		13/1300 Calls Unlimited	13/1300 Calls Pay As You Go		13/1300 Calls Pay As You Go
Au Mobile Pay As You Go		Au Mobile Pay As You Go	Au Mobile Pay As You Go		Au Mobile Unlimited
International Pay As You Go		International 100 Minutes^^	International 100 Minutes^^		International Unlimited to  +500 Minutes to India
\$49 ⁹⁹ per month		\$69 ⁹⁹ per month	\$69 ⁹⁹ per month		\$109 ⁹⁹ per month
No lock-in contract \$99.95 setup Min charge \$179.94*		No lock-in contract \$99.95 setup Min charge \$199.94*	No lock-in contract \$99.95 setup Min charge \$199.94*		No lock-in contract \$99.95 setup Min charge \$239.94*

DOUBLE DATA AT HOME

- ✓ 400GB of data each month
(200GB included and 200GB bonus)

FREE WI-FI WITH TELSTRA AIR®

- ✓ Enjoy unmetered access to thousands of Wi-Fi hotspots across Australia, until 30 June



BUNDLE OF VALUE

- ✓ Bonus national calls
- ✓ Included local calls
- ✓ Included Telstra Gateway Max™

\$89 /mth


TELSTRA BUNDLE M

(Min cost \$2,136 over 24 mths)

Plan

Choosing a Mobile phone plan!!)

No Lock-in Contract

500GB / Off peak (250GB + 250GB) ~	XXL UNLIMITED 🐨 Data Usage
Up to 100Mbps download speed#	Up to 100Mbps download speed#
Wi-Fi Modem Included	Wi-Fi Modem Included
Digital Voice Service	Digital Voice Service
Local Calls Unlimited	Local Calls Unlimited
National Calls Unlimited	National Calls Unlimited
International Calls Pay As You Go	13/1300 Calls Pay As You Go
Pay As You Go	Au Mobile Unlimited
100 Minutes^^	International Unlimited to
	
	+500 Minutes to India
\$69⁹⁹ per month	\$109⁹⁹ per month
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BASIC

- ✓ 100GB Peak + 100GB Off-Peak NBN Broadband Quota
- ✓ Up to 12Mbps download speeds*
- ✓ Local + Standard National calls included
- ✓ WiFi modem included
- ✓ No activation fee

\$59.90 /month

Min cost \$1,447.60



BOOST

- ✓ 1000GB NBN Broadband Quota
- ✓ Up to 25Mbps download speeds*
- ✓ Local + Standard National calls included
- ✓ WiFi modem included
- ✓ No activation fee

\$79.99 /month

Min cost \$1,929.60

NBN and BLACKOUTS!

A MAJOR PROBLEM!!!

(This why the NBN recommends everyone has a mobile phone for emergencies)

- If you lose power to your house... **EVERYTHING STOPS**
- Modem - no power!
- WiFi router - no power!
- Cordless phones - no power! ... unless you get a “blackout proof” model
- Solution —→ a UPS - an Uninterruptible Power Supply
 - ★ All sizes, shapes, costs, and more importantly, keeps your gear running for varying times
 - ★ Maybe keep Modem, WiFi and DECT base station running with UPS for your preferred period.

UPSs



A full home setup...

(There are so many devices that can be connected to the Internet and together at home...)

WIRED to your modem router or a switch -

- ✦ Up to 6 x DECT cordless phone handsets running through VoIP
- ✦ Networked printers
- ✦ Smart TV
- ✦ Fax machine or more phone lines (via ATAs)
- ✦ Laptops
- ✦ Desktops
- ✦ Games machines
- ✦ Media servers (via DLNA, Plex, etc, etc)

A full home setup...

(There are so many devices that can be connected to the Internet and together at home...)

WIRELESS through your WiFi router -

- ✧ Networked printers
- ✧ Smart TV
- ✧ Laptops
- ✧ Desktops
- ✧ Games machines
- ✧ Media servers (via DLNA, Plex, etc, etc)
- ✧ Refrigerator
- ✧ House lighting
- ✧ Webcams/security cameras

... **OR... EVERYTHING...**

