

## 8.1 Project Summary

**Applicant Name:**

Exwire, Inc.

**CPCN Number:**

Application Pending

**Contact Person:**

Devin Koch

**Project Title:**

Kingswood West

**Project Type:**

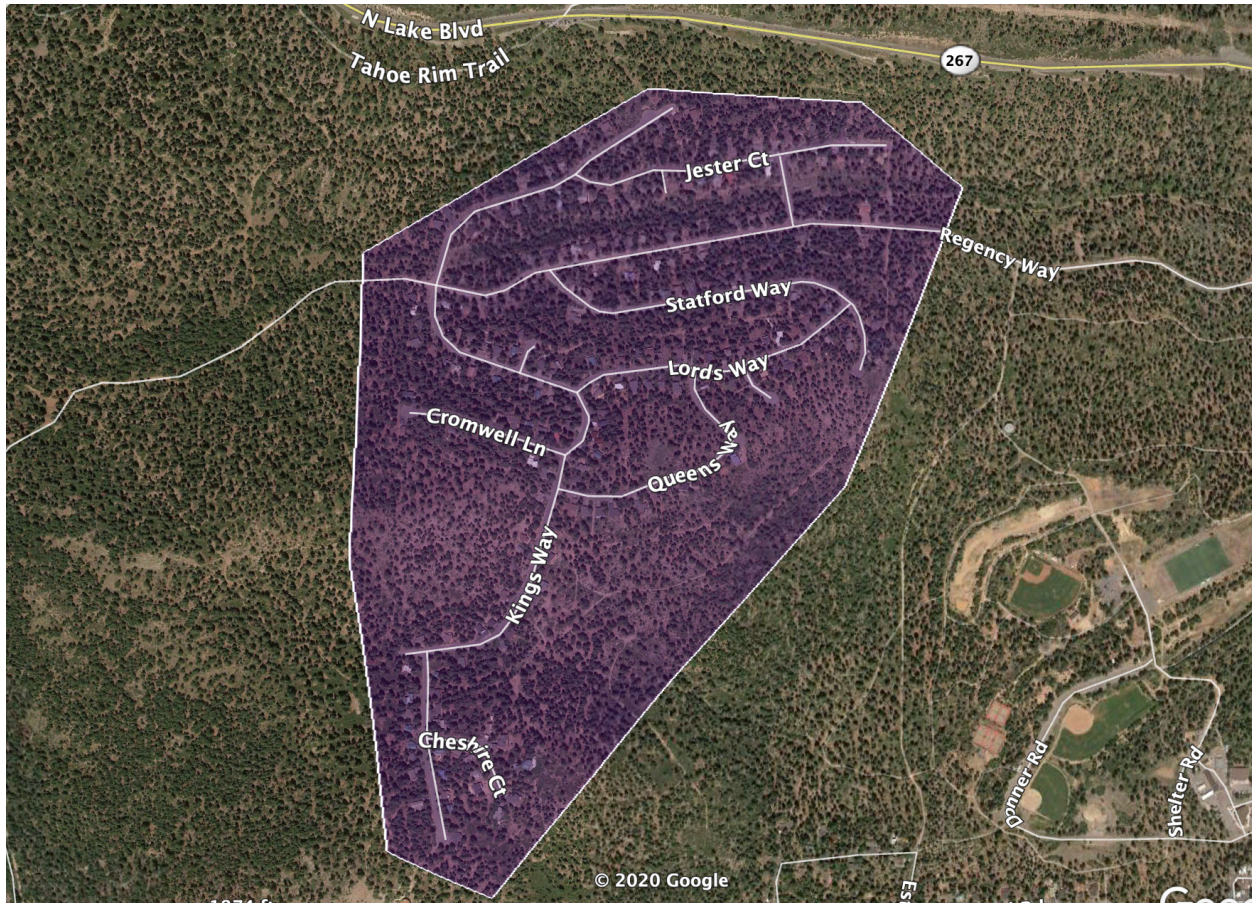
Last-mile

**Amount:**

\$4,464,478

### MAPPING INFO

**Project Map:**



## Households to be served:

350 total -- 240 homes and 110 unbuilt lots

## Dial-up only :

350 parcels

## Max Speed Currently offered :

Some homes in the area currently have DSL which theoretically offers up to 6 mb/sec. However DSL is no longer offered making the area unserved. The reason it's no longer offered is because it doesn't work much of the time. At peak times it's unusable and it simply offline much of the time. So, effectively, the maximum speed offered is 36-48 kb/sec -- dial up speeds. Anyone who needs reliable connectivity has to have satellite which is only available on a few parcels because of the 130 foot tree canopy.. 4G only works to a VERY limited degree on very

few parcels. Some letters of support indicate that they have 3 methods of connecting in hopes of getting one to work. This area is unserved.

## Median Household Income :

\$71, 667.00

## Businesses, Anchor Institutions and Public Safety Location :

0

This is a remote residential area. There are no businesses or offices.

## Description of major infrastructure to be provided :

Our fiber design shows 3.61 miles of streets that will be “covered” with fiber optic cable. We will have one Head End comprised of a fiber pedestal, a power pedestal, and a interconnect box from our fiber provider. The fiber pedestal will have all the equipment necessary to terminate and provide a point to point fiber to each home. The power pedestal will have a generator and a battery system. Within the neighborhood there will be several fiber splice points depending on the final system design choice and finally there will be a cross-connect to each home and in the home an installation of a remote fiber terminal and router.

## Breakdown of aerial vs underground :

No facilities will be done aerially.

## Major Equipment expenses :

The bulk of the equipment budget is actually in the fiber terminals, vaults and cable installed in the road. The top five line-items are:

- 1) Mid-span Fiber Distribution Terminals - \$488,000
- 2) Home Fiber Modem - \$447,000
- 3) Underground vaults - \$255,000
- 4) Ducting - \$175,000
- 5) Fiber Optic cable \$76,000

The rest of the individual items are under \$15,000

## Estimated Construction Deadline :

Kingswood Schedule	2020												2021											
	1	2	3	4	5	6	7	8	9	0	1	2	1	2	3	4	5	6	7	8	9	0	1	2
Grant Award												A												
Design and Permit												D	D	D	D	D								
Infrastructure Build																	B	B	B	B				
Customer Installation																			C	C	C	C		

We expect to be finished by fall of 2021. In this remote area, we can not start outside work until May 1 and must be done by October 15th. If permitting is not complete by May, we may have to push build for a whole building season.

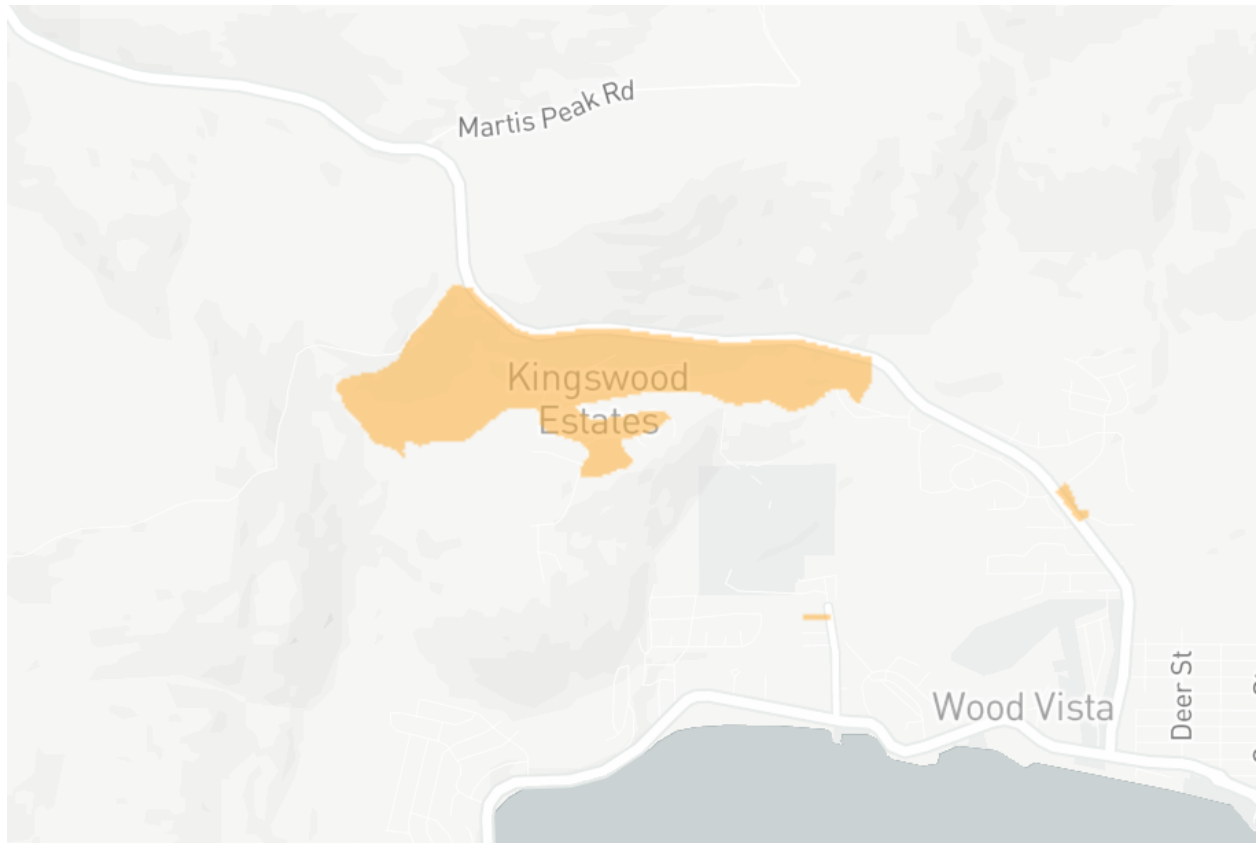
## Proposed Project Description :

Exwire will install dedicated fiber optic cable to every house in this small community several miles North of Lake Tahoe. The fiber optic cables that will be installed are capable of almost 100Gbps. At inception we will provide packages to customers with speeds as high as 500 mb/sec download by 500 mb/sec upload.

Our Permit Coordinator has confirmed no CEQA review is required for this project. See attachment in the application under that section.

This community is fortunate to have ATT fiber crossing through it on the way to a nearby cell tower. Charter also has service nearby. Because of this, we will not need middle mile support.

This area is depicted as unserved on the Broadband map (below) however there appears to be a mistake in that one side of a street is eligible and the other side is not. Some streets in this community are also shown as ineligible but we believe this is just as a result of the Census Block border and should be corrected.



### Ministerial Review :

We are not seeking ministerial review. At the time of submission, we believe we do not meet all requirements for ministerial review.

No Middle Mile facilities are needed.