

## Submarine Cable Installation - Week 2 Status Report - October 23, 2009

Installation of the submarine cable between Pittsburg and San Francisco for the TBC project is underway and is expected to take a total of 5 to 6 weeks. Weekly status updates will be provided on Fridays throughout completion of this phase of the project; this is the second report.

The submarine portion of the HVDC transmission cable is 83.8 km long. Distance along the cable is measured using Kilometer Positions (KPs). KP 0.000 is at the shoreline near the Pittsburg converter station; KP 83.847 is at the shoreline at the east end of 23rd St, San Francisco.

Cable laying started on Sunday October 11 at KP 24.373 just west of the Benicia Bridge using two vessels. The "Guilio Verne" cable vessel is progressing towards San Francisco from the starting point, and a cable laying barge, the "Manson 73", is progressing towards Pittsburg. A third vessel, the Manson Barge "Hagar" is laying mattresses and performing post-lay burial activities at utility crossings,

As of noon Friday October 23:

- the Guilio Verne has progressed to KP 44.990 on the Pinole Shoals in San Pablo Bay, a distance of 20.617 km.
- the Manson 73 has progressed to KP 5.055 just west of Pittsburg, a total distance of 19.318 km.

A total of 39.935 km, or 47.6% of the total submarine cable length, has been placed.