

An immersed tunnel compared to a high bridge will annually save about 1.3 million gallons of carbon fuel and reduce greenhouse gases by 13 tons. An immersed tunnel will be almost half as long and have half the total grade of a new high bridge. A high bridge has a long momentum killing uphill climb. A tunnel dip under the river adds momentum for a short climb. A shorter tunnel with less grade and downhill momentum, equals less total energy consumption, carbon or future kilowatt.

