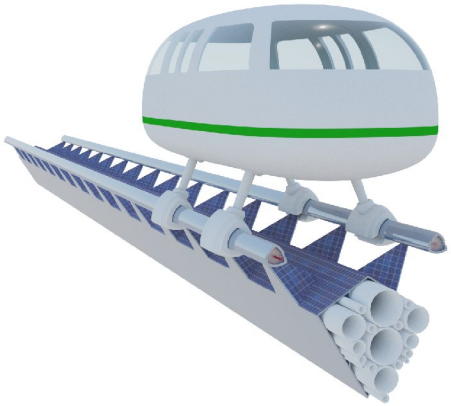
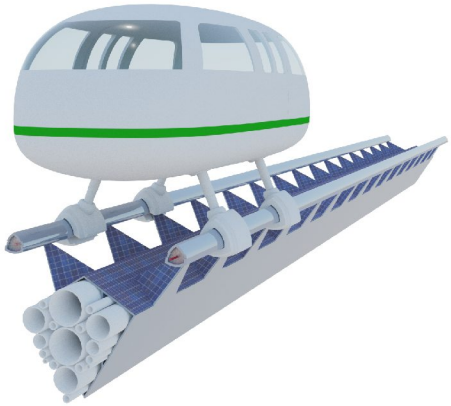
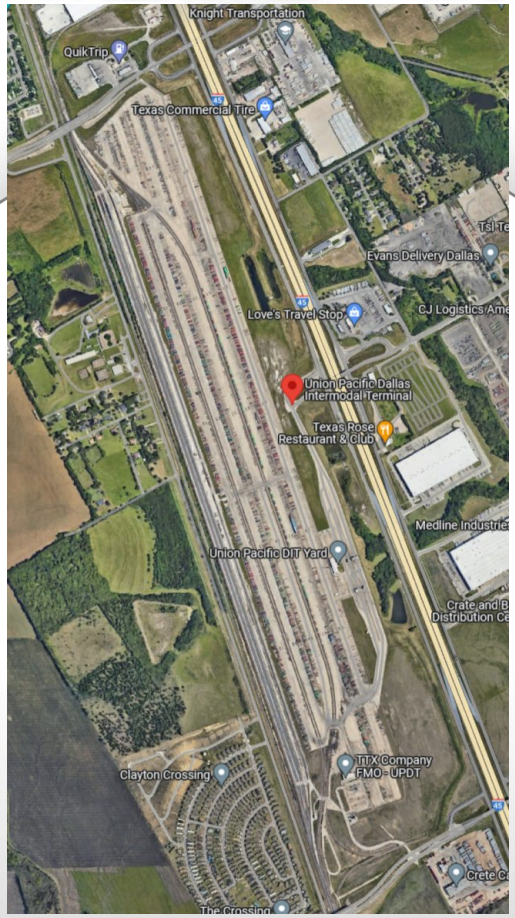




WorldWide
Hydrogen Super Highways
Dallas Inland Port Demo



Motor City Maglev
Website
QR Code

- www.HyRail.us -
- www.InterstateTraveler.us -
- www.MotorCityMaglev.com -
- www.ElevatedRailSystems.com -
- www.HydrogenSuperHighway.com -

Motor City Maglev
Press Release
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Motor City Maglev

Elevated Rail System

aka

Hydrogen Super Highway

Dallas Inland Port
Elevated Rail Demonstration System

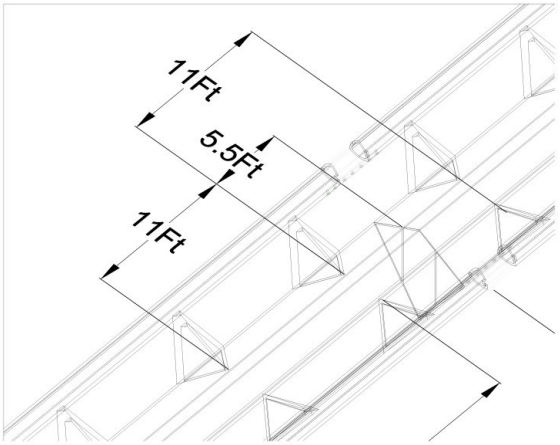
Cost Estimates based on ½ Scale Single Track

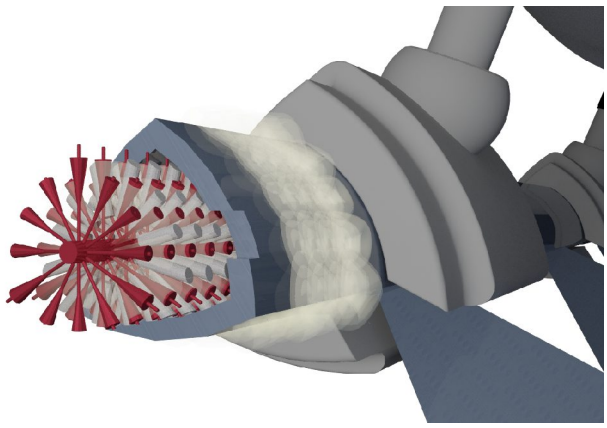
1 Mile Mainline Rail Track
3 Transports
3 Stations w/Sidetrack & Switches
1.43 Miles Rail Total
$29.88M USD

Revised July 9th 2024

Authored, Typeset & Designed
by
Justin Eric Sutton

Made Possible by the Support of
The Interstate Traveler Company, LLC





Interstate Traveler Company, LLC

Dallas Inland Port Sample Rail

KM Primary Right of Way	1.61	km
Edit Values in Yellow to Recalculate		
Rail Scale	50%	

Project Summary and Analysis Tool

Total Miles (Including Side Track and Main Line)	1.43	
Total Kilometers (Including Side Track and Main Line)	2.30	
Total Pedestrian Passenger Transports	3	
Total Simultaneous Passenger Capacity	120	
Total Car Transports	0	
Total Freight Transports	0	
Total Square Feet of Solar (Rail)	60,331	pv-sqft
Total Area of PV in Acres:	1.39	/acres
Total Watts / Square Feet	20	
Total Watts / Hour	1,206,628	
Total Solar Hours	5	
Total Watts per Day	6,033,139	
Total Watts per Year	2,202,095,808	
Total KW per Year	2,202,096	
Average Value / Kw	$0.10	
Average Annual Kw Value:	*$220,209.58*	/year
Total H2 Production Per Year	*44,042*	Kg/Year (50kw/kg)
Total Cost for System	$29,885,765.94	
Projected Annual Revenue	$8,595,900.00	(Farebox, Rent, Adver
Return on Investment (after operational 100% Rev)	3.48	Years
Return on Investment (after operational 50% Rev)	6.95	Years
Return on Investment (50% Rev +Startup Time)	7.96	Years
Public Share on Public ROW	50%	
Projected Annual Income (Private)	*$4,297,950.00*	
Projected Annual Public Share	*$4,297,950.00*	

Employment Projections for Hospitality, Concierge and Services

	Total Expected Direct Employment	**33**	Fulltime Equivalent
3	Traveler Stations (Not Including Car Transport Ramps)		
2	Lease Hold Business / Station		
6	Total Business		
3	Employees / Business		
18	Total Employees in Traveler Stations		
3	Transports on System		
5	Concierge / Transport		
15	Concierge Employees		
33	Total Employees (estimated)		

Interstate Traveler Co. LLC

July 9, 2024

Rail Installation Analysis

Dallas Inland Port Sample Rail

1.61 *KM Primary Right of Way*

1 Mile = 5,280 feet.

1.00 miles primary right of way

Rail and Utility Substation Costs/Kilometer

50% Scale

Qty	Units	Description	Cost	Amount	Notes
4	Kilometer	AMSC HTS Super Conductor Wire	$120,000.00	$480,000.00	
2	Kilometer	Solar Panel 72" wide x 1 Kilometer long.	$871,948.00	$1,743,896.00	
2	Kilometer	Concrete 3'x3' x 12' concrete Piers	$0.00	$0.00	
2	Kilometer	Steel for Rail Tubing / Stanchion / Central Support	$1,273,532.80	$2,547,065.60	
33	Kilometer	Supplemental Conduit	$3,278.00	$108,174.00	
2	Kilometer	Fiber Optics	$16,000.00	$32,000.00	
0.25	Units/Kilometer	Full Function Utility Substation	$3,000,000.00	$750,000.00	
1	Labor/Kilometer	100 people working simultaneously / 1 week	$100,000.00	$100,000.00	
5	Kilometer	Site work / demolition / adjustment to overhead lines	$100,000.00	$500,000.00	
9	Kilometer / pair of rails	Solid-state Magnets	$655,600.00	$5,900,400.00	
		HSH Elevated Rail Structure + Fractional Utility Substation Costs / Kilometer - Full Scale Subtotal		$12,161,535.60	
			Scaled Price	$6,080,767.80	
			Section Length (Feet)	88	
			Cost per Lineal Foot	$1,855.02	
			Cost per Section	$163,242.09	

Traveler Stations

Qty	Units	Description	Cost	Amount	Notes
0	Each	Grand Terminal Stations	$80,000,000.00	$0.00	
0	Each	"Traveler Station"	$3,300,000.00	$0.00	
0	Each	Car Ramp for Car Ferry w/ Parking Structure	$1,200,000.00	$0.00	
0	Each	Air and Sea Port Construction / Integration	$90,000,000.00	$0.00	
0	Kilometer	Sidetrack to access Traveler Stations (.23KM/Station)	$6,080,767.80	$0.00	
0	Kilometer	HSH Service Station + Staging Area Budget	$17,000,000.00	$0.00	
0	Each	Basic Access Point, parking, freight access, etc	$500,000.00	$0.00	
				$0.00	

Transports

Qty	Units	Description	Cost	Amount	Notes
0	Each	Grand Public Car	$8,000,000.00	$0.00	
0	Each	Commuter Public Car	$2,000,000.00	$0.00	
0	Each	Freight Car - ISO 40' Container Flatbed	$1,500,000.00	$0.00	
0	Each	Car Ferry for Automobiles and Palletized Freight	$1,500,000.00	$0.00	
0	Each	Medical Transport - Mobile ICU	$5,000,000.00	$0.00	

Rail Installation Check List

20 *Enter Watts/SqFt value for Solar Panels here*

Qty	Units	Description	Cost	Amount	Notes
1.61	Kilometer	Primary Right of Way	$6,080,767.80	$9,790,036.16	
0.69	Kilometer	Sidetrack to access Traveler Stations (.23KM/Station)	$6,080,767.80	$4,195,729.78	
1.00	Miles	Essential Lineal Parallel Track			
		Stations and Terminals			
-	Each	Grand Terminal Stations	$80,000,000.00	$0.00	
3	Each	"Traveler Station"	$3,300,000.00	$9,900,000.00	
-	Each	Car Ramp for Car Ferry w/ Parking Structure	$1,200,000.00	$0.00	
-	Each	Basic Access Point, parking, freight access, etc	$500,000.00	$0.00	
-	Each	HSH Service Station + Staging Area Budget	$17,000,000.00	$0.00	
-	Each	Air and Sea Port Construction / Integration	$90,000,000.00	$0.00	
		Transports			
-	Each	Grand Public Car (GPC)	$8,000,000.00	$0.00	
3	Each	Commuter Public Car	$2,000,000.00	$6,000,000.00	
-	Each	Freight Car - ISO 40' Container Flatbed	$1,500,000.00	$0.00	
-	Each	Car Ferry for Automobiles and Palletized Freight	$1,500,000.00	$0.00	
-	Each	Medical Transport - Mobile ICU	$5,000,000.00	$0.00	

3	Total Commuter Cars	**Total Cost for Interstate Traveler Installation**	**$29,885,765.94**	
-	Total Car Ferry	Cost of Steel at 1200 dollars per ton at 30 tons per section	$4,524,854.40	18%
3	Total Transports	**Balance**	**$25,360,911.54**	85%
3	Total Stations			
1.00	Total Cars / Station			
2.3	Total Kilometers			
1.4	**Total Miles**			
1.499	Stations / Essential Lineal Mile			
3.00	Cars/mile			
3	Total Cars			

Cost per Kilometer Complete System	$12,993,811.28
Cost per Mile Complete System	$20,924,011.72

Interstate Traveler Co. LLC

July 9, 2024

Return on Investment

1.61 KM Primary Right of Way

Dallas Inland Port Sample Rail

1.00 Miles Primary Right of Way

Rail Return On Investment via Fairbox Collections, Freight, Rent, Advertising 50% Rail Scale

Grow budget by X percent: 0%

	Primary ROW + Side Track (Miles)	**1.43**	Total Miles of Track
	Primary ROW + Side Track (Kilometers)	**2.30**	Total KM of Track
Steps:			
1	Passenger Fee / Minute	$1.00	
2	Car Transport Fee / Minute	$0.00	
3	Freight Fee / Ton Mile	$0.00	Ton Mile
4	Total Tonnage Per Freight Transport	0	Tons
5	Average Distance in Miles per Ton on Freight	1	Miles
6	Number of Freight Cars	0	
7	Total Simultaneous Capacity in Tonnage	0	
8	Total Ton / Mile in Freight @ 1 Miles	0	Ton/Miles Per Day
9	Freight Transports Total Projected Use **Annually**	-	Ton/Miles per Year
10	Average Freight Delivery Time of 1 Miles @ 88MPH	0.01	Hours
11	Total Number of Freight 0.01 Hour Time Blocks / Day	0	Time Blocks Per Day
12	Freight Transports Projected Use as an Average over 24 hours	0%	Percent of Capacity
13	Number of Pedestrian Transports	3	
14	Passengers Per Car	40	People
15	Average Time of Trip for Pedestrian	8	Minutes
16	Total Simultaneous Capacity (Pedestrians Only)	120	
17	Total Number of 8 Minute Time Blocks / Day	180	
18	Total Daily Capacity (Average Time * Total Capacity)	21,600	
19	Pedestrian Projected Use as an Average over 24 hours	10%	Percent of Capacity
20	Pedestrian Total Projected Use **Daily**	2,160	Rides
21	Pedestrian Total Projected Use **Hourly**	90	
22	Pedestrian Total Projected Revenue **Daily**	$17,280.00	
23	Pedestrian Total Projected Use **Annually**	788,400	Rides
24	Pedestrian Total Projected Revenue **Annually**	$6,307,200.00	
25	Number of Car Transports	0	
26	Average Time of Trip for Car Transport	1	Minutes
27	Total Number of 1 Minute Time Blocks / Day	1,440	
28	Car Transports Projected Use as an Average over 24 hours	0%	Percent of Capacity
29	Car Transports Total Projected Use **Daily**	-	Rides
30	Car Transports Total Projected Revenue **Daily**	$0.00	
31	Car Transports Total Projected Use **Annually**	-	Rides
32	Car Transports Total Projected Revenue **Annually**	$0.00	
33	Pedestrian Revenue / Trip / Single Pedestrian at $1 /minute for 8 minutes	**$8.00**	Fee For Use on a Trip
34	Car Transports Revenue / Trip / Single Car Transport at $0 /minute for 1 minutes	**$0.00**	Fee For Use on a Trip
35	Efficiency Average Speed Traveled	88	Miles per hour
36	Efficiency Possible Distance Covered Traveling at 88mph for 8 minutes	11.7	Miles (Pedestrian)
37	**Relative Cost Per Mile Traveled for Pedestrian**	**$0.68**	**Dollars / Mile**
38	Revenue All Transports/ Annually	$6,307,200.00	**Annual**
39	Revenue for all Freight Transports	$0.00	**Annual**
40	Advertising Revenue Calculations	$560,700.00	Annual
41	Rent Revenue Calculations	$1,728,000.00	Annual
	Total Annual Revenue for All Transports / Advertising / Rent	**$8,595,900.00**	Annual
	Budget>> Cost for Installation for 1.43 miles	$29,885,765.94	Cost
	Total Projected Annual Revenue	$8,595,900.00	Annual Revenue
	Return on Investment at 100% of Revenue	3.48	ROI in Years if appeared overnight
	Enter Debt Service Fund Percentage	50%	
	Total Annual Debt Service Fund (P/P Partnership)	$4,297,950.00	
	Return on Investment using Debt Service Fund	6.95	Years

Interstate Traveler Energy Calculator

Dallas Inland Port Sample Rail

1 watt-hour = 3.4121415 Btu

Enter Values in fields marked in Yellow — 50% Rail Scale

HSH Rail Combined Wattage Output of Two Parallel Tracks Combined

Mile	5,280	ft
Width (two parallel tracks combined)	8	ft
Area	42,240	SqFt/mile
Watts/SqFt (Average 12)	20	watts/SqFt
Total Watts	844,800	Watts/mile/hour
Total Solar Hours/day	5	Solar Hours/day
Total Watts/day/mile	4,224,000	watts/day/mile
Total Miles	1.4	miles
Total watts/day/all miles	6,033,139	Total watts/day/all miles
Total Watts/year	2,202,095,808	Total watts/year

Traveler Stations Combined Wattage Output of Total Roof Mounted PV Grid

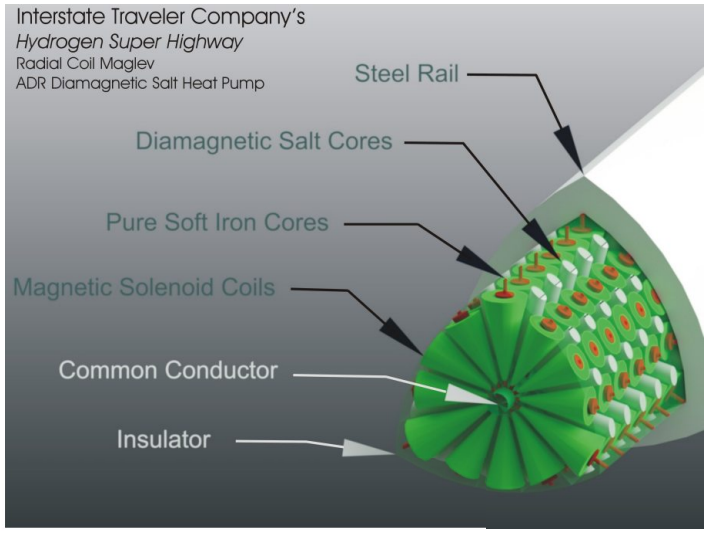
Total Traveler Stations	3	
Average Roof Size (PV)	10,000	SqFt Roof-mounted PV Grid
Minimum watts/SqFt	12	
Total Watts/hr/station	120,000	
Total Watts/hr/all stations	360,000	
Total Watts/day/all stations	1,800,000	
Total Watts/year/all stations	657,000,000	

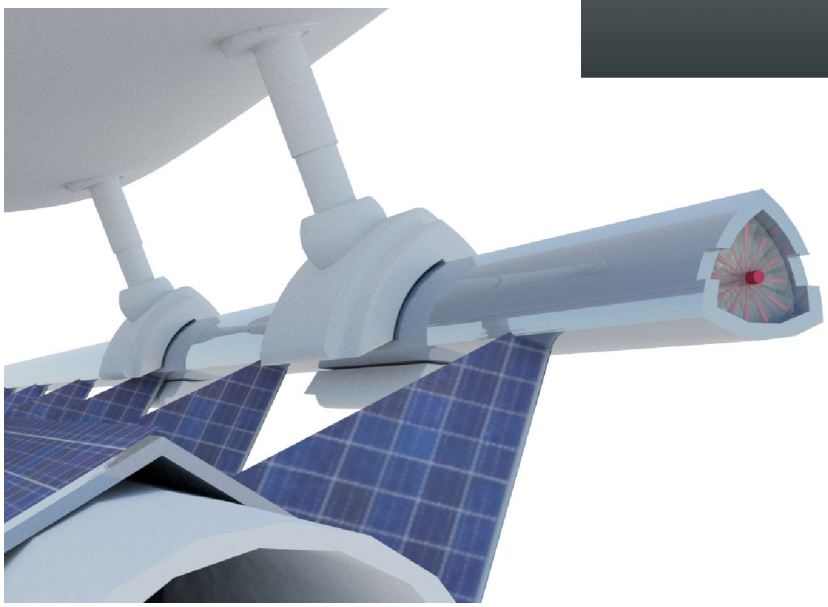
Transports Combined Wattage Output of Total Roof-Mounted PV Grid

Total Transports on System	3	
Total SqFt or roof area	160	SqFt of PV on Roof
Total SqFt all Transports	480	Total SqFt PV
Minimum watts/SqFt	22	
Total Solar Hours / Day	8	
Total Watts/hr/Transport	3,520	
Total Watts/hr/all Transports	10,560	
Total Watts/day/all Transports	84,480	
Total Watts/year/all Transports	30,835,200	

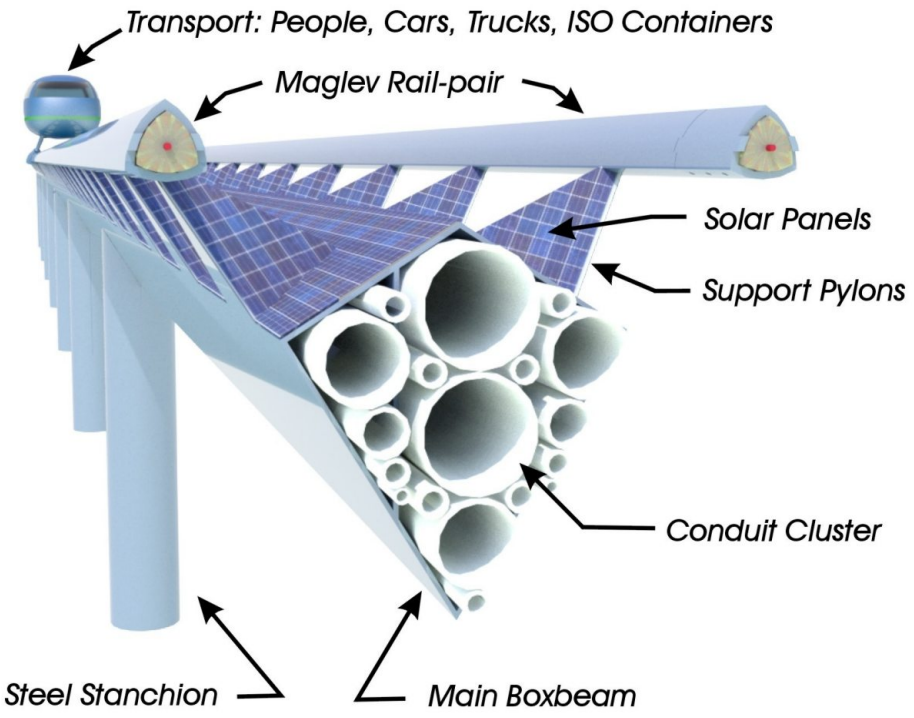
Grand Totals of Rail + Stations + Transports + Roof PV Grid Combined

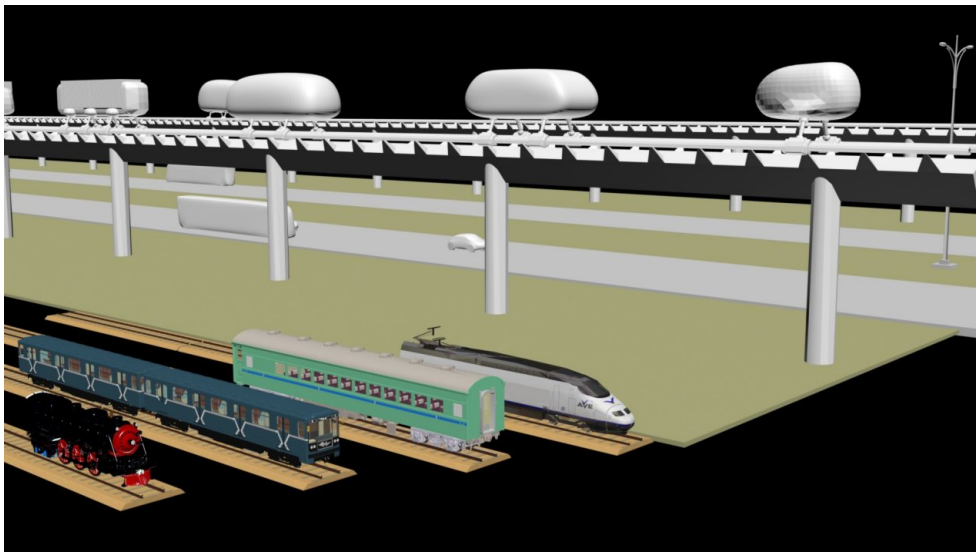
Total Watts/year	2,889,931,008	
Total Kilowatts/year	2,889,931	
Total Megawatts/year	2,890	
Total GigaWatts/year	3	
Total Terawatts/year	0	
Value of a Kilowatt	$0.10	
Total Electrical Output Value	$288,993.10	
Total BTU / Day	27,016,037.054	
Total BTU/year	9,860,853,524.534	
Total Quadrillion BTU/year	0.000	A unit called the *quad* (short for quadrillion) is defined as 10^{15} BTU
Total watts/ncmh	4,200	watts/normal cubic meter of Hydrogen
Hydrogen mass/NCMH	100	grams/Nm3
Total Cu Meter Hydrogen/year	688,079	Total ncmh / year
Total mass of H2/year	68,807,881	grams
	68,808	kilograms
Gasoline Equivelent Units	68,808	Gasoline Equivilent Units 10ncmh/1Gal Gas
Number of Cars Sustained/yea	71.675	Same as 960 gals/year/car





HSH Elevated Rail System Cross-Sectional Diagram





Hydrogen Super Highway

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