

Andy Fanter, Intercast

- Forecasting for 27 construction machinery dealers across the US.
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- Free time is stock market and fishing.

US ECONOMIC INDICATORS								
		PRODUCER	CONSUMER	Industrial			National	
	Fed Funds	PRICE	CORE PRICE	Production	MILLIONS	AUTOS	RETAIL	US
	Rate%	INDEX	Ex food, energy	%CHG	AUTOS	%CHG	SALES %CHG	GDP
14	0.09	1.9%	1.6%	3%	16.5	6%	3%	2.6%
15	0.13	-3.3%	1.3%	-1%	17.4	5%	2%	2.9%
16	0.39	-1.0%	1.8%	-2%	17.5	1%	4%	1.6%
17	1	3.2%	1.5%	2%	17.1	-2%	4%	2.3%
18	1.79	3.0%	1.9%	4%	17.2	1%	5%	2.5%
19	2.16	0.8%	1.6%	1%	16.9	-2%	3%	2.3%
20	0	-1.0%	1.5%	-8%	14.5	-14%	1%	-4.0%
21	0	2.0%	1.8%	4%	16.2	12%	6%	4.0%
22	0	2.1%	1.7%	3%	17.0	5%	4%	2.4%

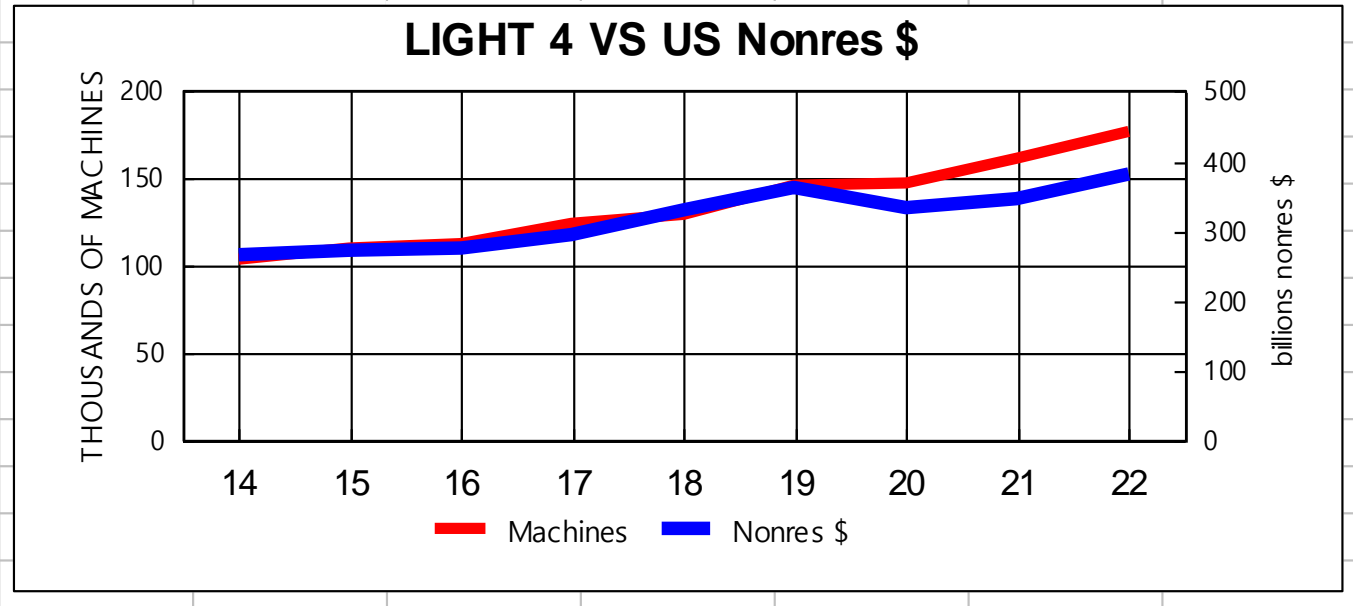
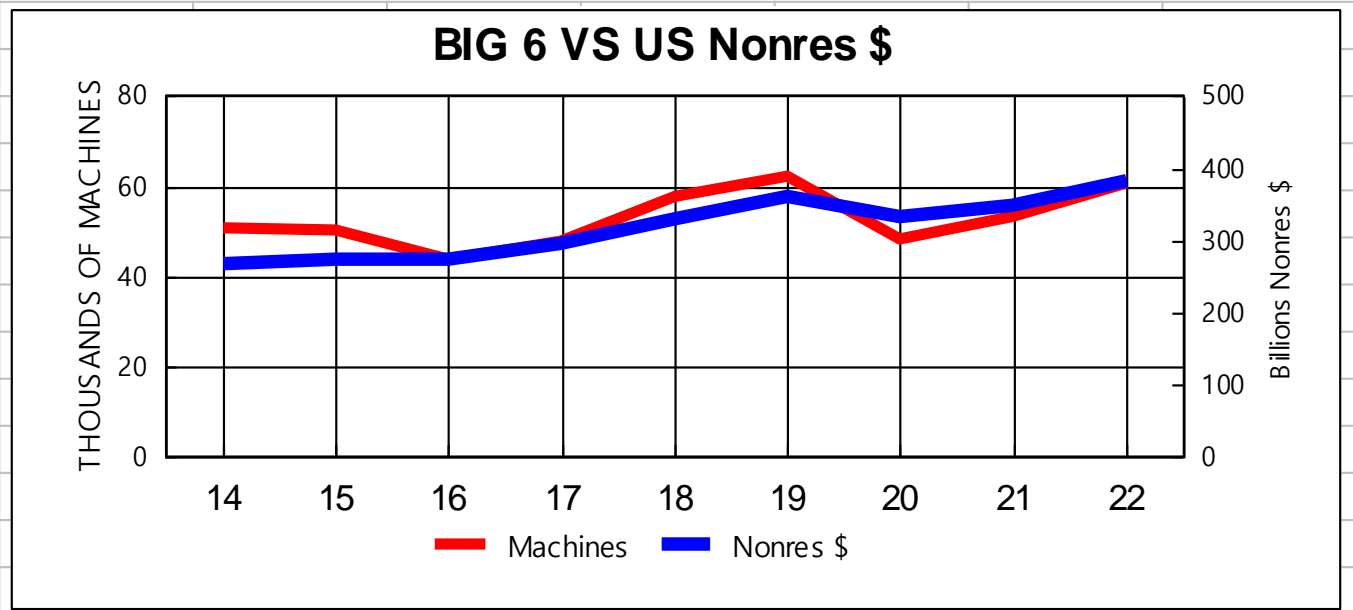
UNITED STATES CONSTRUCTION ACTIVITY						Nonresidential		Street, Highway, Bridge		
TOTAL HOUSE		SINGLE FAMILY		MULTI FAMILY		Inflation adjusted		Inflation adjusted		
PERMITS	% chg	PERMITS	% chg	PERMITS	% chg	MILLIONS \$	% chg	MILLIONS \$	% chg	
15	1,163,582	11%	695,743	10%	467,839	14%	273,975	2%	68,676	5%
16	1,225,421	5%	750,640	8%	474,781	1%	275,885	1%	74,035	8%
17	1,281,977	5%	819,624	9%	462,353	-3%	296,410	7%	76,735	4%
18	1,328,818	4%	855,220	4%	473,598	2%	330,255	11%	80,459	5%
19	1,386,048	4%	861,916	1%	524,132	11%	363,220	10%	83,020	3%
20	1,437,149	4%	962,375	12%	474,774	-9%	334,255	-8%	85,163	3%
21	1,502,245	5%	1,015,035	5%	487,210	3%	347,985	4%	85,910	1%
22	1,553,358	3%	1,063,660	5%	489,698	1%	382,481	10%	89,277	4%
Actual Data through NOV 2020, Andy Fanter cafanter@gmail.com										

US Construction Machine Units, First in Dirt

Big 6: dozers, wheel loaders, 8 ton+ excavators, graders, artics, rigid trucks

Light 4: wheeled and tracked skidsteers, backhoes, and mini-excavators

	BIG 6	% chg	LIGHT 4	% chg	TOTAL	% chg
15	50,500	-0%	110,500	6%	161,000	4%
16	44,000	-13%	114,000	3%	158,000	-2%
17	48,000	9%	125,000	10%	173,000	9%
18	58,000	21%	130,000	4%	188,000	9%
19	62,500	8%	146,650	13%	209,150	11%
20	48,500	-22%	147,500	1%	196,000	-6%
21	53,500	10%	162,500	10%	216,000	10%
22	61,000	14%	178,000	10%	239,000	11%
Actual Data through DEC 2020						



	CRAWLER	%	WHEEL	%	EXCAVATOR	%
	TRACTOR	CHG	LOADERS	CHG	12 ton+	CHG
15	9,097	-4%	15,244	-1%	19,969	0%
16	7,623	-16%	13,349	-12%	18,393	-8%
17	8,205	8%	14,430	8%	20,797	13%
18	9,962	21%	16,081	11%	26,105	26%
19	10,418	5%	17,278	7%	28,127	8%
20	7,717	-26%	13,705	-21%	22,152	-21%
21	8,696	13%	14,730	7%	24,747	12%
22	10,036	15%	16,392	11%	28,319	14%
	MOTOR	%	ARTIC	%	RIGID	%
	GRADER	CHG	TRUCKS	CHG	TRUCKS	CHG
15	2,693	-2%	3,156	9%	303	7%
16	2,171	-19%	2,367	-25%	243	-20%
17	2,181	0%	2,322	-2%	267	10%
18	2,617	20%	2,937	26%	324	21%
19	2,821	8%	3,558	21%	343	6%
20	2,200	-22%	2,523	-29%	317	-8%
21	2,349	7%	2,836	12%	276	-13%
22	2,602	11%	3,307	17%	291	5%

	SKIDSTEER	%	SKIDSTEER	%	BACKHOE	%	MINI HEX	%
	WHEELED	CHG	TRACKED	CHG	LOADER	CHG	0 TO 8	CHG
15	31,308	-3%	37,562	18%	10,941	-18%	30,698	15%
16	29,584	-6%	41,180	10%	8,907	-19%	34,652	13%
17	29,859	1%	47,390	15%	8,294	-7%	39,542	14%
18	25,747	-14%	52,270	10%	8,668	5%	42,805	8%
19	27,948	9%	60,070	15%	10,475	21%	48,163	13%
20	25,969	-7%	63,030	5%	7,382	-30%	51,136	6%
21	27,080	4%	70,330	12%	8,235	12%	56,565	11%
22	28,470	5%	77,100	10%	9,407	14%	62,865	11%

US NATURAL GAS AND OIL								
	BCF US		Henry Hub	1000s barrels		WTI OIL	US	
	Natural Gas		Price AVG	US OIL		Price	Rig Count	
2015	32,900	5%	\$2.63	3,440	7%	\$49	700	-59%
2016	32,650	-1%	\$2.52	3,250	-6%	\$43	510	-27%
2017	33,170	2%	\$2.99	3,400	5%	\$51	875	72%
2018	36,970	11%	\$3.17	3,995	18%	\$65	1,025	17%
2019	36,200	-2%	\$2.56	4,465	12%	\$57	945	-8%
2020	36,125	-0%	\$2.04	4,122	-8%	\$39	438	-54%
2021	37,500	4%	\$2.85	4,300	4%	\$56	500	14%
2022	39,000	4%	\$2.95	4,500	5%	\$63	650	30%

US Mining, Aggregate and Forestry Production								USED
				Stone, Sand, Gravel	Underground Coal	Surface Coal	Forestry Production	Equipment Value
2015	-3%	-9%	-25%	6%	-7%	-35%	5%	-3%
2016	-0%	-2%	-6%	2%	-20%	-35%	4%	-3%
2017	-8%	3%	10%	0%	12%	2%	6%	9%
2018	-1%	1%	8%	1%	7%	-2%	3%	0%
2019	-1%	0%	0%	1%	0%	-6%	-1%	-2%
2020	1%	1%	1%	0%	-5%	-25%	1%	-1%
2021	2%	1%	2%	1%	1%	-30%	4%	3%
2022	2%	1%	2%	2%	2%	-15%	4%	7%

Other Industries

- Industrial and manufacturing will be good in 2021, and great in 2022.
- Restaurant equipment will be tough most of 2021, but once vaccine is widespread expect a great 2022.