

Books
Study Portfolios
Date Intervals
Stats

SouthDakota
2017-08-17 Juhl - SD_IRP_MainPortfolio With County Wind Projects
Monthly
MEAN

Heavy Load		2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12
2017-08-17 Juhl - SD_IRP_MainPortfolio With County Wind Projects																									
MARKETPURCHASESMWH - Spot Purchases MWh																									
Total																									
MEAN		6,718	6,600	4,067	1,956	13,030	7,804	11,143	12,922	10,951	3,732	5,097	10,585	9,731	8,504	4,853	2,458	11,349	11,608	13,747	13,610	14,116	13,042	5,618	11,967
MARKETSALESMWH - Spot Sales MWh																									
Total																									
MEAN		16,925	13,997	16,120	19,502	10,563	11,924	8,185	9,050	9,698	16,658	11,337	5,428	13,824	12,253	15,268	21,773	12,569	8,884	8,385	9,051	9,102	2,512	11,325	5,812
2016-10-19 Juhl base - SD_IRP_MainPortfolio_BaseCase																									
MARKETPURCHASESMWH - Spot Purchases MWh																									
Total		12,280	11,255	7,908	4,600	20,958	13,244	15,529	18,374	16,989	8,712	10,145	17,713	16,852	14,007	9,105	5,447	18,759	17,595	18,414	18,618	20,780	24,763	10,671	19,354
MARKETSALESMWH - Spot Sales MWh																									
Total																									
MEAN		8,838	7,662	8,544	10,640	6,754	6,904	5,281	5,979	6,610	7,905	4,879	1,540	7,474	6,708	8,639	12,677	8,159	5,095	5,495	5,914	6,200	377	5,272	1,619
Offsetting Generation MWh																									
MEAN		8,086	6,334	7,577	8,861	3,809	5,020	2,904	3,070	3,088	8,753	6,458	3,888	6,350	5,545	6,629	9,095	4,409	3,789	2,890	3,136	2,902	2,135	6,053	4,193
Offset Purchases MWh																									
MEAN		5,562	4,655	3,841	2,644	7,928	5,440	4,385	5,452	6,038	4,979	5,048	7,128	7,121	5,503	4,252	2,989	7,410	5,987	4,667	5,008	6,664	11,721	5,054	7,386
2018		2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019
Value of offset purchases																									
MEAN		\$ 195,592	\$ 152,982	\$ 103,725	\$ 64,918	\$ 203,531	\$ 139,394	\$ 141,515	\$ 159,561	\$ 150,518	\$ 120,616	\$ 124,123	\$ 189,623	\$ 273,803	\$ 197,683	\$ 125,569	\$ 80,271	\$ 208,153	\$ 167,791	\$ 164,723	\$ 160,320	\$ 181,745	\$ 310,647	\$ 135,920	\$ 214,986
Offsetting Generation Avoided Cost																									
MEAN		\$ 222,291	\$ 174,123	\$ 172,561	\$ 201,810	\$ 86,743	\$ 114,333	\$ 79,834	\$ 84,400	\$ 70,328	\$ 199,340	\$ 147,081	\$ 88,538	\$ 180,009	\$ 157,198	\$ 187,928	\$ 220,621	\$ 106,957	\$ 91,912	\$ 81,927	\$ 88,913	\$ 70,383	\$ 51,782	\$ 146,823	\$ 118,862
Value of offset purchases																									
MEAN		\$ 195,592	\$ 152,982	\$ 103,725	\$ 64,918	\$ 203,531	\$ 139,394	\$ 141,515	\$ 159,561	\$ 150,518	\$ 120,616	\$ 124,123	\$ 189,623	\$ 273,803	\$ 197,683	\$ 125,569	\$ 80,271	\$ 208,153	\$ 167,791	\$ 164,723	\$ 160,320	\$ 181,745	\$ 310,647	\$ 135,920	\$ 214,986

2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01	2022-02	2022-03	2022-04
9,822	9,632	6,056	3,181	8,493	9,255	15,818	14,619	14,248	4,084	5,901	13,768	10,466	10,160	7,855	3,314	14,142	8,923	15,884	15,797	14,246	3,475	6,265	14,730	11,177	10,174	7,189	3,462
14,869	11,673	16,859	21,326	14,951	13,138	8,399	8,153	10,576	17,122	10,956	5,548	12,819	11,832	16,006	20,904	8,434	12,690	7,246	7,832	11,357	16,489	11,541	5,601	11,191	10,746	15,354	19,164
16,380	14,946	10,746	6,934	14,484	14,909	20,941	19,637	20,782	9,079	11,143	21,932	17,134	15,980	13,263	7,117	21,793	14,519	21,030	21,315	20,725	8,050	11,555	23,154	18,343	16,127	12,541	7,117
7,941	6,327	10,025	12,963	10,208	7,954	5,553	5,459	7,103	8,850	5,069	1,622	7,177	6,482	9,467	12,439	5,375	7,431	4,731	5,154	7,902	8,327	5,109	1,364	5,342	5,518	8,624	11,249
6,928	5,347	6,834	8,362	4,743	5,184	2,846	2,694	3,473	8,272	5,887	3,926	5,642	5,349	6,539	8,465	3,059	5,259	2,515	2,677	3,455	8,162	6,433	4,237	5,849	5,228	6,730	7,914
6,558	5,314	4,690	3,753	5,990	5,654	5,123	5,019	6,534	4,995	5,242	8,164	6,668	5,821	5,408	3,802	7,651	5,596	5,147	5,518	6,479	4,575	5,290	8,424	7,165	5,953	5,352	3,655
2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2022	2022	2022	2022
\$ 274,768	\$ 208,056	\$ 150,949	\$ 109,800	\$ 183,224	\$ 172,521	\$ 196,934	\$ 174,980	\$ 193,974	\$ 144,167	\$ 153,492	\$ 258,521	\$ 293,301	\$ 239,251	\$ 182,800	\$ 116,801	\$ 245,704	\$ 179,256	\$ 207,585	\$ 201,864	\$ 202,007	\$ 138,667	\$ 162,680	\$ 280,186	\$ 326,408	\$ 253,411	\$ 187,348	\$ 116,263
\$ 201,943	\$ 155,845	\$ 199,196	\$ 243,737	\$ 138,258	\$ 151,111	\$ 82,949	\$ 78,537	\$ 101,222	\$ 202,870	\$ 171,588	\$ 114,434	\$ 168,961	\$ 160,203	\$ 195,826	\$ 253,505	\$ 91,605	\$ 157,496	\$ 75,314	\$ 80,182	\$ 103,484	\$ 244,442	\$ 192,653	\$ 126,900	\$ 180,837	\$ 161,644	\$ 208,076	\$ 244,686
\$ 274,768	\$ 208,056	\$ 150,949	\$ 109,800	\$ 183,224	\$ 172,521	\$ 196,934	\$ 174,980	\$ 193,974	\$ 144,167	\$ 153,492	\$ 258,521	\$ 293,301	\$ 239,251	\$ 182,800	\$ 116,801	\$ 245,704	\$ 179,256	\$ 207,585	\$ 201,864	\$ 202,007	\$ 138,667	\$ 162,680	\$ 280,186	\$ 326,408	\$ 253,411	\$ 187,348	\$ 116,263

2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08
16,168	17,804	13,921	16,426	14,775	8,911	6,939	15,372	11,666	11,180	6,792	3,364	13,331	12,287	17,543	19,517	20,561	17,906	10,990	15,491	14,218	13,989	7,920	4,501	12,216	12,037	19,727	19,445
7,828	6,634	5,413	7,646	10,515	8,373	10,883	4,952	11,881	9,991	15,321	17,963	12,052	10,560	4,952	7,062	5,616	1,942	7,617	3,438	11,227	9,373	11,836	19,550	14,560	9,113	5,045	5,552
24,276	25,439	18,622	22,209	21,218	16,966	12,354	23,651	19,246	17,109	11,582	6,780	21,203	18,871	22,573	25,506	28,258	29,662	18,138	23,828	22,406	20,748	13,298	8,777	19,395	18,059	25,313	25,567
4,765	3,551	3,317	4,866	7,089	3,882	4,565	1,198	5,801	4,892	8,065	10,403	8,202	6,304	3,183	4,509	3,786	552	3,228	796	5,761	4,890	6,253	11,780	9,905	5,432	3,092	3,416
3,064	3,083	2,096	2,781	3,426	4,490	6,318	3,755	6,081	5,100	7,256	7,559	3,850	4,257	1,769	2,552	1,830	1,390	4,388	2,641	5,465	4,482	5,583	7,770	4,655	3,681	1,953	2,136
8,108	7,635	4,701	5,783	6,443	8,055	5,415	8,278	7,579	5,928	4,790	3,417	7,872	6,584	5,030	5,989	7,697	11,755	7,149	8,338	8,187	6,759	5,379	4,276	7,179	6,022	5,587	6,122
2022	2022	2022	2022	2022	2022	2022	2022	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2024	2024	2024	2024	2024	2024	2024	2024
\$ 269,633	\$ 253,284	\$ 196,384	\$ 219,076	\$ 208,046	\$ 252,849	\$ 172,467	\$ 285,153	\$ 366,599	\$ 267,949	\$ 178,023	\$ 115,396	\$ 277,937	\$ 231,893	\$ 223,073	\$ 240,901	\$ 263,866	\$ 391,736	\$ 241,704	\$ 304,910	\$ 414,063	\$ 319,402	\$ 208,988	\$ 150,996	\$ 264,989	\$ 221,737	\$ 259,074	\$ 257,443
\$ 94,717	\$ 95,310	\$ 64,791	\$ 85,974	\$ 105,917	\$ 138,834	\$ 195,340	\$ 116,089	\$ 193,586	\$ 162,355	\$ 231,000	\$ 240,662	\$ 122,583	\$ 135,517	\$ 56,310	\$ 81,254	\$ 58,262	\$ 44,245	\$ 139,711	\$ 84,095	\$ 178,945	\$ 146,762	\$ 182,787	\$ 254,389	\$ 152,419	\$ 120,536	\$ 63,941	\$ 69,926
\$ 269,633	\$ 253,284	\$ 196,384	\$ 219,076	\$ 208,046	\$ 252,849	\$ 172,467	\$ 285,153	\$ 366,599	\$ 267,949	\$ 178,023	\$ 115,396	\$ 277,937	\$ 231,893	\$ 223,073	\$ 240,901	\$ 263,866	\$ 391,736	\$ 241,704	\$ 304,910	\$ 414,063	\$ 319,402	\$ 208,988	\$ 150,996	\$ 264,989	\$ 221,737	\$ 259,074	\$ 257,443

2024-09	2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07	2026-08	2026-09	2026-10	2026-11	2026-12
15,823	5,710	8,218	19,252	17,003	14,833	9,512	10,561	16,235	16,799	21,957	20,531	20,083	7,287	9,683	21,694	14,145	13,023	10,001	5,245	13,122	14,068	23,256	21,344	22,540	14,616	10,415	24,420
8,959	15,504	8,819	3,475	10,547	8,471	11,698	10,200	8,775	6,398	4,241	5,077	7,442	11,753	7,078	3,026	9,242	8,355	12,120	16,481	12,025	9,468	4,298	4,644	6,851	6,559	7,056	2,605
22,148	11,757	14,122	38,337	25,858	21,937	15,217	18,068	24,224	24,256	27,952	26,470	27,590	14,098	15,918	31,528	22,191	19,661	15,951	10,210	19,838	20,844	29,307	27,152	30,162	24,218	17,189	34,545
5,845	7,658	3,646	967	5,554	4,425	6,437	5,647	5,543	3,439	2,692	3,286	4,985	6,810	2,940	823	4,440	3,987	6,597	9,307	8,090	5,438	2,462	2,828	4,603	2,930	2,645	684
3,114	7,846	5,173	2,508	4,993	4,045	5,261	4,553	3,232	2,958	1,549	1,791	2,456	6,943	4,137	2,204	4,802	4,368	5,523	7,175	3,935	4,031	1,836	1,816	2,248	3,629	4,411	1,921
6,325	6,047	5,904	9,085	8,854	7,103	5,705	7,507	7,989	7,456	5,994	5,939	7,508	6,811	6,235	9,833	8,046	6,638	5,950	4,964	6,716	6,776	6,051	5,908	7,622	9,602	6,773	10,125
2024	2024	2024	2024	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026
\$ 226,664	\$ 210,665	\$ 208,691	\$ 347,329	\$ 469,126	\$ 351,679	\$ 232,201	\$ 277,662	\$ 308,915	\$ 287,604	\$ 291,232	\$ 261,683	\$ 281,834	\$ 248,542	\$ 230,867	\$ 393,813	\$ 434,319	\$ 334,802	\$ 246,695	\$ 187,035	\$ 264,517	\$ 266,219	\$ 299,499	\$ 265,178	\$ 291,440	\$ 356,892	\$ 255,430	\$ 413,016
\$ 101,945	\$ 256,889	\$ 169,384	\$ 82,126	\$ 166,877	\$ 135,214	\$ 175,848	\$ 152,168	\$ 108,028	\$ 98,883	\$ 51,767	\$ 59,867	\$ 82,091	\$ 232,046	\$ 138,278	\$ 73,653	\$ 163,631	\$ 148,840	\$ 188,207	\$ 244,484	\$ 134,100	\$ 137,353	\$ 62,556	\$ 61,888	\$ 76,596	\$ 123,677	\$ 150,306	\$ 65,449
\$ 226,664	\$ 210,665	\$ 208,691	\$ 347,329	\$ 469,126	\$ 351,679	\$ 232,201	\$ 277,662	\$ 308,915	\$ 287,604	\$ 291,232	\$ 261,683	\$ 281,834	\$ 248,542	\$ 230,867	\$ 393,813	\$ 434,319	\$ 334,802	\$ 246,695	\$ 187,035	\$ 264,517	\$ 266,219	\$ 299,499	\$ 265,178	\$ 291,440	\$ 356,892	\$ 255,430	\$ 413,016

2027-01	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05	2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04
15,030	16,252	11,696	6,680	18,160	20,372	25,442	25,449	23,222	10,058	13,696	26,759	18,165	17,442	13,988	6,930	19,998	23,025	24,607	27,856	24,254	25,072	17,276	25,372	20,381	18,930	14,724	8,805
8,031	7,004	10,960	14,889	6,745	5,388	3,420	4,928	6,195	9,375	5,714	2,465	7,651	7,156	10,635	11,498	7,525	5,711	3,070	4,668	5,482	1,168	4,832	1,979	7,661	6,421	8,817	12,981
23,173	23,499	18,313	12,336	26,314	28,791	31,560	31,681	31,045	18,148	21,916	37,603	27,188	24,947	21,360	12,169	28,578	31,403	30,339	34,580	31,799	37,613	26,019	35,060	29,859	26,766	22,043	15,037
3,875	3,394	5,742	8,458	4,193	2,931	2,039	3,108	4,167	4,756	2,203	711	3,698	3,436	6,008	7,702	4,398	3,207	1,774	2,825	3,564	363	1,786	626	3,583	3,215	4,617	7,631
4,156	3,610	5,218	6,432	2,551	2,456	1,381	1,819	2,027	4,618	3,511	1,754	3,952	3,720	4,627	5,796	3,127	2,504	1,295	1,843	1,918	806	3,046	1,352	4,078	3,207	4,200	5,350
8,143	7,247	6,616	5,656	8,154	8,419	6,119	6,232	7,824	8,090	8,219	10,844	9,023	7,504	7,371	5,239	8,579	8,378	5,732	6,724	7,545	12,541	8,743	9,689	9,478	7,836	7,319	6,232
2027	2027	2027	2027	2027	2027	2027	2027	2027	2027	2027	2027	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2029	2029	2029	2029
\$ 439,405	\$ 365,381	\$ 274,215	\$ 213,012	\$ 321,019	\$ 330,660	\$ 302,755	\$ 279,615	\$ 299,038	\$ 300,569	\$ 309,844	\$ 442,173	\$ 491,892	\$ 382,258	\$ 308,631	\$ 199,331	\$ 341,215	\$ 332,396	\$ 286,550	\$ 304,809	\$ 291,302	\$ 470,657	\$ 332,902	\$ 399,081	\$ 522,247	\$ 403,435	\$ 309,685	\$ 239,593
\$ 144,532	\$ 125,546	\$ 181,466	\$ 223,676	\$ 88,727	\$ 85,423	\$ 48,036	\$ 63,271	\$ 70,506	\$ 160,614	\$ 122,089	\$ 61,011	\$ 139,938	\$ 131,706	\$ 163,835	\$ 205,215	\$ 110,728	\$ 88,648	\$ 45,869	\$ 65,244	\$ 67,899	\$ 28,533	\$ 107,861	\$ 47,884	\$ 147,528	\$ 116,001	\$ 151,930	\$ 193,547
\$ 439,405	\$ 365,381	\$ 274,215	\$ 213,012	\$ 321,019	\$ 330,660	\$ 302,755	\$ 279,615	\$ 299,038	\$ 300,569	\$ 309,844	\$ 442,173	\$ 491,892	\$ 382,258	\$ 308,631	\$ 199,331	\$ 341,215	\$ 332,396	\$ 286,550	\$ 304,809	\$ 291,302	\$ 470,657	\$ 332,902	\$ 399,081	\$ 522,247	\$ 403,435	\$ 309,685	\$ 239,593

2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02	2030-03	2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08
25,155	18,157	27,654	29,032	21,470	12,575	16,706	28,696	23,248	21,183	16,437	10,870	19,086	19,831	32,582	30,499	23,636	14,755	18,322	33,699	24,775	23,298	17,096	18,386	19,115	22,306	32,519	31,688
5,487	6,683	2,602	3,467	5,932	9,653	4,997	1,204	6,155	5,130	7,350	11,370	9,120	6,095	2,175	3,134	5,304	8,414	4,179	1,434	6,230	5,234	7,141	6,324	9,247	6,222	1,877	2,664
34,620	25,529	33,772	36,068	28,466	21,703	25,281	38,766	33,308	29,470	23,971	18,240	27,725	27,263	39,064	37,321	31,223	24,543	27,047	44,385	34,934	31,774	24,710	27,469	27,168	30,126	39,043	38,343
3,294	3,744	1,505	2,109	3,937	4,796	1,848	397	2,770	2,340	3,975	6,795	5,983	3,631	1,159	1,787	3,371	4,257	1,725	589	2,936	2,603	3,795	3,438	6,080	3,663	958	1,515
2,193	2,938	1,097	1,359	1,995	4,857	3,149	807	3,385	2,790	3,376	4,574	3,138	2,464	1,016	1,348	1,932	4,157	2,454	845	3,294	2,631	3,346	2,886	3,168	2,559	920	1,148
9,465 2029	7,372 2029	6,118 2029	7,036 2029	6,996 2029	9,128 2029	8,575 2029	10,070 2029	10,060 2030	8,287 2030	7,534 2030	7,370 2030	8,639 2030	7,432 2030	6,482 2030	6,821 2030	7,586 2030	9,788 2030	8,725 2030	10,687 2030	10,159 2031	8,476 2031	7,614 2031	9,083 2031	8,053 2031	7,820 2031	6,524 2031	6,655 2031
\$ 380,421	\$ 295,594	\$ 309,103	\$ 322,347	\$ 272,963	\$ 346,185	\$ 329,970	\$ 419,186	\$ 563,580	\$ 433,811	\$ 324,097	\$ 288,091	\$ 353,019	\$ 302,977	\$ 333,004	\$ 317,740	\$ 300,953	\$ 377,413	\$ 341,343	\$ 452,283	\$ 583,755	\$ 455,063	\$ 335,931	\$ 364,116	\$ 337,477	\$ 326,960	\$ 343,754	\$ 317,912
\$ 79,348	\$ 106,293	\$ 39,682	\$ 49,160	\$ 72,185	\$ 175,711	\$ 113,922	\$ 29,189	\$ 124,743	\$ 102,829	\$ 124,414	\$ 168,589	\$ 115,643	\$ 90,822	\$ 37,446	\$ 49,673	\$ 71,219	\$ 153,192	\$ 90,453	\$ 31,136	\$ 123,892	\$ 98,956	\$ 125,849	\$ 108,533	\$ 119,132	\$ 96,258	\$ 34,595	\$ 43,188
\$ 380,421	\$ 295,594	\$ 309,103	\$ 322,347	\$ 272,963	\$ 346,185	\$ 329,970	\$ 419,186	\$ 563,580	\$ 433,811	\$ 324,097	\$ 288,091	\$ 353,019	\$ 302,977	\$ 333,004	\$ 317,740	\$ 300,953	\$ 377,413	\$ 341,343	\$ 452,283	\$ 583,755	\$ 455,063	\$ 335,931	\$ 364,116	\$ 337,477	\$ 326,960	\$ 343,754	\$ 317,912

2031-09	2031-10	2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12
26,620	16,111	18,688	18,823	27,110	24,530	18,777	12,088	18,776	23,423	34,924	34,578	33,024	30,399	25,114	40,678	27,939	25,564	20,700	14,013	19,406	24,700	35,833	39,847	28,442	17,005	23,459	41,202
6,571	8,320	3,701	1,535	4,632	4,286	7,739	11,738	8,241	5,436	1,682	2,552	3,096	878	2,640	1,470	5,008	4,564	6,754	9,706	8,890	5,747	1,598	2,766	4,868	7,318	3,391	1,102
34,531	25,907	27,146	50,024	37,650	32,945	27,046	19,533	26,403	32,015	41,694	41,608	41,947	42,263	35,253	52,301	38,140	34,036	29,204	21,586	27,246	32,937	41,841	47,032	36,692	26,093	33,187	52,431
4,561	4,358	1,546	640	2,279	2,066	3,915	7,107	5,265	3,108	835	1,471	1,911	223	1,041	544	2,184	1,978	3,247	5,733	5,495	3,159	814	1,536	3,113	3,765	1,382	396
2,009	3,962	2,154	895	2,353	2,220	3,824	4,631	2,976	2,329	847	1,081	1,185	655	1,599	927	2,824	2,586	3,507	3,973	3,394	2,588	783	1,230	1,756	3,553	2,009	705
7,911 2031	9,795 2031	8,458 2031	11,201 2031	10,540 2032	8,415 2032	8,269 2032	7,445 2032	7,626 2032	8,592 2032	6,771 2032	7,030 2032	8,924 2032	11,864 2032	10,139 2032	11,623 2032	10,201 2033	8,472 2033	8,504 2033	7,573 2033	7,840 2033	8,237 2033	6,008 2033	7,185 2033	8,250 2033	9,088 2033	9,728 2033	11,229 2033
\$ 321,836	\$ 387,338	\$ 339,359	\$ 486,166	\$ 632,921	\$ 472,125	\$ 381,240	\$ 311,904	\$ 333,994	\$ 375,389	\$ 372,800	\$ 350,978	\$ 379,371	\$ 490,255	\$ 425,085	\$ 527,175	\$ 632,021	\$ 490,450	\$ 404,528	\$ 327,352	\$ 354,259	\$ 371,341	\$ 341,313	\$ 370,104	\$ 361,870	\$ 387,454	\$ 420,829	\$ 525,506
\$ 75,567	\$ 149,013	\$ 81,023	\$ 33,651	\$ 90,118	\$ 85,030	\$ 146,477	\$ 177,387	\$ 113,980	\$ 89,196	\$ 32,430	\$ 41,400	\$ 45,393	\$ 25,099	\$ 61,246	\$ 35,505	\$ 110,362	\$ 101,073	\$ 137,041	\$ 155,272	\$ 132,657	\$ 101,132	\$ 30,608	\$ 48,082	\$ 68,612	\$ 138,857	\$ 78,525	\$ 27,567
\$ 321,836	\$ 387,338	\$ 339,359	\$ 486,166	\$ 632,921	\$ 472,125	\$ 381,240	\$ 311,904	\$ 333,994	\$ 375,389	\$ 372,800	\$ 350,978	\$ 379,371	\$ 490,255	\$ 425,085	\$ 527,175	\$ 632,021	\$ 490,450	\$ 404,528	\$ 327,352	\$ 354,259	\$ 371,341	\$ 341,313	\$ 370,104	\$ 361,870	\$ 387,454	\$ 420,829	\$ 525,506

2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10	2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04
31,888	25,973	24,270	21,075	24,114	28,526	39,074	41,488	30,377	19,081	25,568	37,771	31,326	27,136	22,956	15,671	19,326	29,192	43,881	44,863	28,645	24,759	29,086	40,839	35,763	31,396	25,590	19,878
4,711	4,618	7,293	5,212	7,301	4,575	1,357	2,447	4,605	6,854	3,316	882	4,280	3,535	6,322	9,374	9,602	4,763	1,151	2,004	4,140	7,350	3,006	1,050	4,260	3,990	6,003	9,388
42,919	34,523	33,146	29,761	33,291	37,362	45,185	49,068	38,272	28,949	35,366	48,140	42,567	36,216	31,452	23,478	27,885	37,468	50,470	52,507	36,125	35,432	39,176	51,248	46,845	40,593	33,937	28,542
2,081	2,099	4,069	2,927	4,818	2,574	677	1,350	3,120	3,514	1,528	340	1,817	1,598	3,354	5,665	6,367	2,800	543	1,129	2,651	4,187	1,434	401	1,802	1,957	3,385	6,051
2,630	2,519	3,224	2,285	2,483	2,000	680	1,097	1,485	3,340	1,787	542	2,463	1,937	2,968	3,710	3,235	1,963	608	875	1,489	3,163	1,571	649	2,458	2,033	2,618	3,337
11,031 2034	8,550 2034	8,877 2034	8,686 2034	9,177 2034	8,836 2034	6,111 2034	7,580 2034	7,895 2034	9,868 2034	9,798 2034	10,369 2034	11,241 2035	9,080 2035	8,497 2035	7,807 2035	8,560 2035	8,276 2035	6,589 2035	7,643 2035	7,480 2035	10,673 2035	10,091 2035	10,409 2035	11,082 2036	9,197 2036	8,347 2036	8,664 2036
\$ 704,760	\$ 510,385	\$ 435,433	\$ 387,137	\$ 427,607	\$ 410,774	\$ 357,979	\$ 402,629	\$ 357,116	\$ 433,810	\$ 437,031	\$ 500,343	\$ 733,885	\$ 553,887	\$ 425,901	\$ 355,547	\$ 407,536	\$ 393,104	\$ 394,466	\$ 414,878	\$ 345,726	\$ 479,459	\$ 459,914	\$ 513,241	\$ 729,337	\$ 565,540	\$ 421,732	\$ 397,733
\$ 104,802	\$ 100,390	\$ 128,465	\$ 91,064	\$ 98,943	\$ 79,712	\$ 27,086	\$ 43,711	\$ 59,170	\$ 133,100	\$ 71,221	\$ 21,582	\$ 100,195	\$ 78,798	\$ 120,753	\$ 150,913	\$ 131,609	\$ 79,848	\$ 24,719	\$ 35,596	\$ 60,575	\$ 128,666	\$ 63,932	\$ 26,422	\$ 102,101	\$ 84,443	\$ 108,714	\$ 138,580
\$ 704,760	\$ 510,385	\$ 435,433	\$ 387,137	\$ 427,607	\$ 410,774	\$ 357,979	\$ 402,629	\$ 357,116	\$ 433,810	\$ 437,031	\$ 500,343	\$ 733,885	\$ 553,887	\$ 425,901	\$ 355,547	\$ 407,536	\$ 393,104	\$ 394,466	\$ 414,878	\$ 345,726	\$ 479,459	\$ 459,914	\$ 513,241	\$ 729,337	\$ 565,540	\$ 421,732	\$ 397,733

2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11	2036-12	2037-01	2037-02	2037-03	2037-04	2037-05	2037-06	2037-07	2037-08	2037-09	2037-10	2037-11	2037-12	Light Load	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06
19,996	28,867	47,341	43,918	31,787	24,507	28,284	45,645	37,727	34,570	26,908	20,755	19,777	30,890	49,961	44,753	36,467	25,456	29,751	49,089		5,175	5,742	4,951	1,791	10,941	5,001
9,452	4,249	1,073	1,391	5,084	6,692	2,574	1,037	3,712	3,087	5,761	7,951	10,225	4,933	1,330	1,674	3,602	6,304	2,534	1,062		14,485	10,622	10,619	17,501	4,437	9,067
28,107	37,310	54,209	50,991	39,937	35,231	37,658	57,266	48,564	44,102	35,851	29,767	27,064	39,446	57,069	51,683	45,264	35,698	39,583	60,488		10,672	11,370	10,125	4,513	20,404	9,842
6,353	2,419	468	699	3,215	3,550	1,351	453	1,648	1,450	3,074	4,751	6,853	2,685	603	799	2,409	3,403	1,215	402		5,539	4,181	3,596	7,399	1,089	2,709
3,099	1,830	606	692	1,869	3,142	1,223	584	2,064	1,637	2,687	3,201	3,372	2,248	727	876	1,193	2,901	1,319	660		8,946	6,441	7,023	10,103	3,348	6,358
8,111 2036	8,442 2036	6,867 2036	7,073 2036	8,150 2036	10,724 2036	9,373 2036	11,621 2036	10,837 2037	9,532 2037	8,942 2037	9,012 2037	7,287 2037	8,556 2037	7,108 2037	6,929 2037	8,798 2037	10,243 2037	9,833 2037	11,399 2037		5,497 2018	5,627 2018	5,174 2018	2,722 2018	9,463 2018	4,842 2018
\$ 389,252	\$ 404,211	\$ 414,415	\$ 387,004	\$ 379,673	\$ 485,572	\$ 430,622	\$ 577,572	\$ 731,496	\$ 601,139	\$ 463,393	\$ 424,317	\$ 358,670	\$ 420,187	\$ 439,947	\$ 388,872	\$ 420,360	\$ 475,668	\$ 463,297	\$ 581,059		\$ 140,656	\$ 130,503	\$ 97,226	\$ 49,199	\$ 138,181	\$ 79,795
\$ 128,713	\$ 76,002	\$ 25,149	\$ 28,737	\$ 77,616	\$ 130,491	\$ 50,807	\$ 24,266	\$ 87,495	\$ 69,376	\$ 113,879	\$ 135,662	\$ 142,933	\$ 95,270	\$ 30,805	\$ 37,120	\$ 50,560	\$ 122,947	\$ 55,913	\$ 27,971		\$ 203,737	\$ 146,692	\$ -	\$ -	\$ -	\$ -
\$ 389,252	\$ 404,211	\$ 414,415	\$ 387,004	\$ 379,673	\$ 485,572	\$ 430,622	\$ 577,572	\$ 731,496	\$ 601,139	\$ 463,393	\$ 424,317	\$ 358,670	\$ 420,187	\$ 439,947	\$ 388,872	\$ 420,360	\$ 475,668	\$ 463,297	\$ 581,059		\$ 140,656	\$ 130,503	\$ 97,226	\$ 49,199	\$ 138,181	\$ 79,795

2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10
19,121	15,079	7,812	2,837	7,656	20,311	4,901	5,653	4,912	1,555	10,991	9,001	18,183	16,364	8,221	10,777	8,459	17,745	5,420	6,586	4,805	1,644	8,759	4,708	17,102	16,671	5,917	3,673
1,649	2,165	9,226	11,239	5,837	1,457	15,640	13,176	12,412	18,611	4,379	6,188	1,766	2,211	9,841	2,591	6,518	2,408	16,757	14,916	13,233	19,627	10,354	10,004	2,109	2,550	11,723	11,953
27,075	22,712	14,121	7,622	15,768	32,826	10,197	10,683	10,036	3,934	20,531	16,294	25,842	24,293	14,087	21,393	16,730	28,911	10,433	11,504	9,346	4,056	16,287	9,180	24,325	24,917	10,584	8,921
396	544	3,341	2,818	909	173	6,315	6,197	4,802	8,746	1,191	1,596	486	508	3,951	125	1,351	338	7,164	7,437	5,684	9,825	4,069	3,654	805	734	5,075	3,531
1,253	1,621	5,885	8,421	4,928	1,283	9,325	6,980	7,610	9,865	3,188	4,592	1,279	1,703	5,890	2,466	5,166	2,069	9,593	7,479	7,549	9,802	6,285	6,350	1,304	1,816	6,648	8,422
7,953	7,633	6,310	4,785	8,111	12,515	5,296	5,030	5,123	2,380	9,540	7,292	7,660	7,929	5,866	10,616	8,272	11,166	5,013	4,918	4,541	2,412	7,528	4,472	7,223	8,247	4,667	5,248
2018	2018	2018	2018	2018	2018	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
\$ 134,426	\$ 126,160	\$ 99,800	\$ 77,243	\$ 133,761	\$ 223,518	\$ 148,306	\$ 127,585	\$ 105,303	\$ 47,022	\$ 152,232	\$ 131,343	\$ 141,508	\$ 143,172	\$ 101,543	\$ 187,338	\$ 149,099	\$ 218,079	\$ 152,932	\$ 135,881	\$ 101,685	\$ 51,922	\$ 131,022	\$ 87,876	\$ 145,390	\$ 162,314	\$ 88,010	\$ 100,870
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 226,186	\$ 169,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 279,613	\$ 183,421	\$ 164,603	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 134,426	\$ 126,160	\$ 99,800	\$ 77,243	\$ 133,761	\$ 223,518	\$ 148,306	\$ 127,585	\$ 105,303	\$ 47,022	\$ 152,232	\$ 131,343	\$ 141,508	\$ 143,172	\$ 101,543	\$ 187,338	\$ 149,099	\$ 218,079	\$ 152,932	\$ 135,881	\$ 101,685	\$ 51,922	\$ 131,022	\$ 87,876	\$ 145,390	\$ 162,314	\$ 88,010	\$ 100,870

2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023-01	2023-02
8,352	16,044	6,450	5,882	5,191	1,849	14,807	4,857	20,197	17,483	6,613	4,016	8,757	16,565	6,720	6,456	5,343	2,161	18,457	13,088	23,563	17,264	7,860	9,172	9,762	19,266	6,577	7,016
6,906	2,984	16,674	13,921	12,303	18,351	4,310	9,521	1,783	2,099	10,723	11,935	5,998	2,518	14,735	12,728	11,000	18,296	1,433	4,404	1,341	1,795	9,766	5,742	5,552	2,101	13,499	12,579
16,614	26,404	12,232	10,374	9,945	4,438	25,547	9,550	27,940	25,624	11,823	9,754	16,956	26,620	12,649	11,386	10,333	5,141	30,679	20,867	32,294	25,193	13,502	18,991	18,260	30,251	12,365	11,916
1,753	620	6,674	6,524	5,390	8,879	1,213	3,409	692	660	4,546	3,452	1,374	421	5,587	5,781	4,457	8,516	280	1,241	373	511	3,956	1,169	1,239	305	4,855	5,429
5,153	2,364	10,000	7,396	6,913	9,472	3,096	6,111	1,091	1,439	6,177	8,482	4,624	2,097	9,148	6,947	6,542	9,780	1,154	3,163	968	1,284	5,810	4,573	4,313	1,797	8,643	7,150
8,263	10,360	5,783	4,492	4,755	2,590	10,741	4,694	7,743	8,141	5,209	5,719	8,198	10,056	5,930	4,930	4,990	2,980	12,222	7,779	8,731	7,929	5,642	9,819	8,499	10,984	5,789	4,880
2020	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2023	2023
\$ 162,205	\$ 220,422	\$ 185,188	\$ 130,230	\$ 111,739	\$ 58,523	\$ 196,299	\$ 96,791	\$ 163,632	\$ 168,108	\$ 103,160	\$ 115,358	\$ 168,723	\$ 224,421	\$ 196,620	\$ 148,027	\$ 121,474	\$ 69,741	\$ 231,379	\$ 166,141	\$ 190,988	\$ 169,622	\$ 115,707	\$ 205,199	\$ 181,142	\$ 253,976	\$ 203,810	\$ 155,589
\$ -	\$ -	\$ 299,481	\$ 188,694	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 282,835	\$ 185,138	\$ 158,728	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,172	\$ 227,637
\$ 162,205	\$ 220,422	\$ 185,188	\$ 130,230	\$ 111,739	\$ 58,523	\$ 196,299	\$ 96,791	\$ 163,632	\$ 168,108	\$ 103,160	\$ 115,358	\$ 168,723	\$ 224,421	\$ 196,620	\$ 148,027	\$ 121,474	\$ 69,741	\$ 231,379	\$ 166,141	\$ 190,988	\$ 169,622	\$ 115,707	\$ 205,199	\$ 181,142	\$ 253,976	\$ 203,810	\$ 155,589

2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025-01	2025-02	2025-03	2025-04	2025-05	2025-06
5,752	2,316	9,412	5,924	24,548	18,463	11,485	14,750	11,831	22,245	7,956	8,464	7,211	2,404	10,306	7,444	23,085	20,622	9,144	4,911	10,975	22,188	9,573	9,594	8,131	6,306	18,365	12,934
11,010	18,163	8,501	8,388	1,332	1,775	7,334	1,942	4,609	1,874	12,693	11,261	11,307	17,633	7,855	8,863	1,237	1,374	9,132	9,504	5,290	2,130	11,009	9,751	11,294	9,838	3,375	4,162
10,742	5,522	16,897	11,184	33,331	26,445	18,516	26,709	21,297	34,474	14,157	13,826	13,044	5,559	17,980	13,538	31,193	29,124	15,495	11,254	20,404	33,670	16,378	15,581	14,142	12,460	27,334	21,122
4,432	9,016	3,161	2,829	418	523	2,572	108	1,067	268	4,456	4,806	4,487	8,504	2,815	3,000	388	357	3,600	2,802	1,251	391	3,570	3,829	4,657	3,723	1,018	1,104
6,578	10,147	5,340	5,559	914	1,252	4,762	1,834	3,542	1,606	8,238	6,455	6,820	9,129	5,039	5,863	848	1,017	5,531	6,702	4,039	1,739	7,440	5,923	6,637	6,115	2,356	3,057
4,990	3,206	7,485	5,260	8,784	7,982	7,031	11,959	9,465	12,229	6,202	5,362	5,833	3,154	7,674	6,094	8,108	8,502	6,351	6,343	9,429	11,482	6,805	5,987	6,011	6,154	10,970	8,188
2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	2025	2025	2025	2025
\$ 128,967	\$ 79,652	\$ 150,391	\$ 119,260	\$ 204,005	\$ 181,234	\$ 153,077	\$ 265,260	\$ 214,160	\$ 300,120	\$ 228,270	\$ 178,740	\$ 157,572	\$ 81,927	\$ 161,153	\$ 144,420	\$ 196,894	\$ 201,766	\$ 144,477	\$ 147,013	\$ 223,020	\$ 294,512	\$ 262,402	\$ 209,025	\$ 170,070	\$ 167,418	\$ 241,241	\$ 203,231
\$ 162,767	\$ 251,069	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 269,713	\$ 211,340	\$ 171,889	\$ 230,090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 43,835	\$ 248,665	\$ 197,952	\$ 170,831	\$ 157,393	\$ -	\$ -
\$ 128,967	\$ 79,652	\$ 150,391	\$ 119,260	\$ 204,005	\$ 181,234	\$ 153,077	\$ 265,260	\$ 214,160	\$ 300,120	\$ 228,270	\$ 178,740	\$ 157,572	\$ 81,927	\$ 161,153	\$ 144,420	\$ 196,894	\$ 201,766	\$ 144,477	\$ 147,013	\$ 223,020	\$ 294,512	\$ 262,402	\$ 209,025	\$ 170,070	\$ 167,418	\$ 241,241	\$ 203,231

2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026-01	2026-02	2026-03	2026-04	2026-05	2026-06	2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027-01	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10
24,765	21,428	9,328	5,543	12,753	21,988	8,958	8,225	8,326	3,149	13,762	8,223	24,664	24,876	9,996	11,722	13,708	24,792	11,390	10,323	8,896	3,844	18,804	12,647	28,668	26,640	11,347	8,761
1,083	1,380	8,809	9,175	5,017	1,879	11,228	9,803	9,107	14,932	6,970	6,571	1,134	1,191	7,883	4,914	4,291	1,590	9,516	8,492	7,883	13,094	2,461	3,463	778	803	7,043	6,765
33,009	32,525	15,230	12,252	23,029	33,201	16,193	14,005	14,746	6,994	23,099	14,516	32,531	34,079	16,550	21,785	23,742	36,232	20,125	16,898	15,512	8,261	30,729	20,723	37,190	35,813	18,305	17,911
374	431	3,354	2,699	1,121	314	3,219	3,532	3,386	6,586	2,412	2,010	391	343	2,986	1,270	964	262	2,458	2,865	2,719	5,270	544	754	304	231	2,531	1,686
709	949	5,455	6,476	3,896	1,565	8,008	6,271	5,721	8,346	4,558	4,561	743	848	4,897	3,644	3,327	1,328	7,058	5,627	5,164	7,824	1,917	2,709	474	572	4,512	5,079
8,244	9,097	5,903	6,708	10,276	11,212	7,235	5,781	6,420	3,844	9,338	6,292	7,866	9,204	6,554	10,063	10,034	11,440	8,735	6,574	6,616	4,417	11,925	8,076	8,522	9,153	6,958	9,151
2025	2025	2025	2025	2025	2025	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2027	2027	2027
\$ 209,598	\$ 226,095	\$ 140,665	\$ 162,875	\$ 254,595	\$ 301,302	\$ 284,183	\$ 205,589	\$ 184,983	\$ 106,499	\$ 209,073	\$ 158,997	\$ 203,696	\$ 232,971	\$ 158,988	\$ 248,730	\$ 253,096	\$ 313,022	\$ 342,971	\$ 233,730	\$ 190,527	\$ 122,285	\$ 266,822	\$ 203,935	\$ 220,556	\$ 231,546	\$ 168,670	\$ 226,028
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,269	\$ 272,899	\$ 213,703	\$ 150,106	\$ 218,970	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,853	\$ 245,446	\$ 195,683	\$ 138,311	\$ 209,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 209,598	\$ 226,095	\$ 140,665	\$ 162,875	\$ 254,595	\$ 301,302	\$ 284,183	\$ 205,589	\$ 184,983	\$ 106,499	\$ 209,073	\$ 158,997	\$ 203,696	\$ 232,971	\$ 158,988	\$ 248,730	\$ 253,096	\$ 313,022	\$ 342,971	\$ 233,730	\$ 190,527	\$ 122,285	\$ 266,822	\$ 203,935	\$ 220,556	\$ 231,546	\$ 168,670	\$ 226,028

2027-11	2027-12	2028-01	2028-02	2028-03	2028-04	2028-05	2028-06	2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029-01	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030-01	2030-02
14,909	26,667	11,749	12,003	10,455	5,413	19,774	15,308	34,344	27,074	16,011	21,469	19,583	33,219	11,775	12,536	12,586	5,580	22,128	12,387	35,043	28,863	15,676	9,637	18,745	35,613	13,834	14,728
3,049	1,065	8,572	7,682	6,499	12,653	1,704	2,864	555	720	5,055	814	1,935	657	7,521	6,395	5,578	10,786	1,497	4,424	435	549	5,643	5,097	1,937	425	6,224	5,666
25,301	38,011	20,320	18,744	17,737	11,003	31,407	24,053	43,446	35,809	24,504	34,307	30,797	46,455	20,323	19,953	20,824	11,504	33,964	20,528	44,048	37,888	24,204	18,747	30,063	49,237	23,402	22,573
627	194	2,026	2,589	2,156	4,949	496	829	189	246	1,689	61	393	120	1,533	1,797	1,720	3,963	443	1,215	160	194	1,841	1,254	435	101	1,144	1,530
2,422	871	6,546	5,093	4,343	7,704	1,207	2,034	366	474	3,366	753	1,542	536	5,988	4,598	3,858	6,823	1,053	3,209	275	355	3,802	3,843	1,502	324	5,080	4,136
10,392 2027	11,344 2027	8,571 2028	6,741 2028	7,272 2028	5,590 2028	11,633 2028	8,744 2028	9,102 2028	8,735 2028	8,492 2028	12,838 2028	11,214 2028	13,237 2028	8,548 2029	7,417 2029	8,237 2029	5,924 2029	11,835 2029	8,140 2029	9,006 2029	9,026 2029	8,528 2029	9,110 2029	11,319 2029	13,613 2029	9,568 2030	7,845 2030
\$ 261,980	\$ 310,233	\$ 339,934	\$ 242,157	\$ 211,538	\$ 156,326	\$ 262,837	\$ 223,060	\$ 237,939	\$ 223,150	\$ 207,975	\$ 320,293	\$ 285,606	\$ 365,687	\$ 342,614	\$ 269,267	\$ 242,189	\$ 167,379	\$ 270,256	\$ 209,766	\$ 237,947	\$ 233,014	\$ 210,975	\$ 229,645	\$ 291,212	\$ 380,051	\$ 389,967	\$ 289,542
\$ -	\$ 23,340	\$ 231,781	\$ 180,316	\$ 118,329	\$ 209,871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,608	\$ 216,618	\$ 166,329	\$ 107,445	\$ 190,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,014	\$ 187,222	\$ 152,423
\$ 261,980	\$ 310,233	\$ 339,934	\$ 242,157	\$ 211,538	\$ 156,326	\$ 262,837	\$ 223,060	\$ 237,939	\$ 223,150	\$ 207,975	\$ 320,293	\$ 285,606	\$ 365,687	\$ 342,614	\$ 269,267	\$ 242,189	\$ 167,379	\$ 270,256	\$ 209,766	\$ 237,947	\$ 233,014	\$ 210,975	\$ 229,645	\$ 291,212	\$ 380,051	\$ 389,967	\$ 289,542

2030-03	2030-04	2030-05	2030-06	2030-07	2030-08	2030-09	2030-10	2030-11	2030-12	2031-01	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032-01	2032-02	2032-03	2032-04	2032-05	2032-06
14,561	6,053	15,941	15,184	15,751	32,980	15,685	10,775	21,690	36,823	15,145	15,329	15,977	12,200	18,051	15,479	36,015	36,371	15,674	11,996	24,962	37,137	16,226	17,203	14,789	7,266	20,664	15,212
4,672	9,540	2,956	3,537	367	388	4,866	4,427	1,750	409	5,409	5,015	4,379	4,688	2,769	3,236	339	342	4,402	3,945	1,393	366	4,969	4,814	4,106	8,052	2,285	2,772
23,832	12,253	26,649	24,310	44,506	42,350	24,283	20,417	33,794	49,801	25,178	23,588	25,427	21,268	29,509	24,426	44,851	46,112	24,124	22,247	37,850	49,596	27,080	25,965	23,331	14,132	33,014	23,859
1,238	3,356	894	898	124	151	1,662	1,075	428	105	803	1,324	1,176	1,395	900	902	123	110	1,451	1,016	349	108	623	1,152	1,127	2,666	689	679
3,434	6,185	2,062	2,639	243	237	3,204	3,351	1,322	304	4,606	3,692	3,203	3,293	1,869	2,334	216	232	2,952	2,929	1,044	259	4,345	3,662	2,979	5,386	1,595	2,093
9,271 2030	6,200 2030	10,709 2030	9,125 2030	8,755 2030	9,370 2030	8,598 2030	9,642 2030	12,044 2030	12,978 2030	10,033 2031	8,259 2031	9,450 2031	9,068 2031	11,458 2031	8,946 2031	8,836 2031	9,741 2031	8,449 2031	10,251 2031	12,888 2031	12,459 2031	10,854 2032	8,761 2032	8,543 2032	6,867 2032	12,350 2032	8,646 2032
\$ 277,077	\$ 178,137	\$ 248,551	\$ 239,024	\$ 235,133	\$ 245,888	\$ 216,191	\$ 247,068	\$ 315,007	\$ 368,376	\$ 419,412	\$ 312,562	\$ 289,682	\$ 267,102	\$ 272,654	\$ 240,281	\$ 243,369	\$ 262,114	\$ 217,902	\$ 269,402	\$ 345,668	\$ 362,557	\$ 474,122	\$ 346,521	\$ 273,616	\$ 211,377	\$ 307,050	\$ 242,674
\$ 97,404	\$ 175,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,622	\$ 173,231	\$ 138,849	\$ 92,753	\$ 95,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,485	\$ 166,439	\$ 140,272	\$ 87,768	\$ 158,719	\$ -	\$ -
\$ 277,077	\$ 178,137	\$ 248,551	\$ 239,024	\$ 235,133	\$ 245,888	\$ 216,191	\$ 247,068	\$ 315,007	\$ 368,376	\$ 419,412	\$ 312,562	\$ 289,682	\$ 267,102	\$ 272,654	\$ 240,281	\$ 243,369	\$ 262,114	\$ 217,902	\$ 269,402	\$ 345,668	\$ 362,557	\$ 474,122	\$ 346,521	\$ 273,616	\$ 211,377	\$ 307,050	\$ 242,674

2032-07	2032-08	2032-09	2032-10	2032-11	2032-12	2033-01	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034-01	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	2034-10
37,815	35,498	39,013	28,702	25,608	36,110	18,732	17,446	16,487	8,456	21,575	15,700	44,788	35,459	17,708	15,425	24,637	40,259	18,678	18,756	17,481	16,431	21,477	16,858	47,008	37,541	20,805	15,655
295	353	3,057	381	927	410	4,439	4,049	3,384	8,098	1,719	2,773	323	408	3,694	3,826	1,146	307	3,663	3,531	3,182	3,833	1,696	2,596	283	351	3,515	3,193
46,500	44,939	27,973	42,793	37,733	48,068	29,871	26,210	25,569	16,016	33,684	24,529	54,292	44,588	26,560	26,996	36,603	52,915	29,748	27,895	26,621	27,064	33,212	25,847	56,560	46,452	30,333	27,037
102	130	804	54	235	105	511	814	863	2,876	515	767	123	176	1,230	1,100	304	83	303	681	808	1,108	544	762	129	162	1,103	846
194	223	2,253	328	692	305	3,928	3,235	2,521	5,223	1,204	2,006	200	232	2,464	2,726	842	224	3,361	2,850	2,374	2,725	1,152	1,834	153	188	2,413	2,347
8,685 2032	9,442 2032	8,959 2032	14,091 2032	12,115 2032	11,959 2032	11,139 2033	8,764 2033	9,082 2033	7,560 2033	12,109 2033	8,829 2033	9,505 2033	9,129 2033	8,852 2033	11,572 2033	11,965 2033	12,655 2033	11,070 2034	9,139 2034	9,140 2034	10,633 2034	11,735 2034	8,989 2034	9,552 2034	8,911 2034	9,528 2034	11,383 2034
\$ 249,955	\$ 265,455	\$ 241,431	\$ 386,886	\$ 339,545	\$ 363,731	\$ 502,030	\$ 357,658	\$ 300,147	\$ 240,128	\$ 310,597	\$ 255,645	\$ 282,262	\$ 264,853	\$ 246,054	\$ 327,770	\$ 345,981	\$ 397,039	\$ 514,488	\$ 384,605	\$ 311,501	\$ 348,208	\$ 310,465	\$ 268,414	\$ 292,513	\$ 266,596	\$ 273,089	\$ 332,508
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,998	\$ 153,525	\$ 126,446	\$ 75,846	\$ 157,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,741	\$ 133,926	\$ 113,556	\$ 72,778	\$ 83,547	\$ -	\$ -	\$ 4,704	\$ -	\$ -	\$ -
\$ 249,955	\$ 265,455	\$ 241,431	\$ 386,886	\$ 339,545	\$ 363,731	\$ 502,030	\$ 357,658	\$ 300,147	\$ 240,128	\$ 310,597	\$ 255,645	\$ 282,262	\$ 264,853	\$ 246,054	\$ 327,770	\$ 345,981	\$ 397,039	\$ 514,488	\$ 384,605	\$ 311,501	\$ 348,208	\$ 310,465	\$ 268,414	\$ 292,513	\$ 266,596	\$ 273,089	\$ 332,508

2034-11	2034-12	2035-01	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10	2035-11	2035-12	2036-01	2036-02	2036-03	2036-04	2036-05	2036-06	2036-07	2036-08	2036-09	2036-10	2036-11	2036-12	2037-01	2037-02
25,882	46,296	20,464	19,396	19,944	9,684	15,460	19,881	46,223	39,457	20,674	15,570	26,658	45,937	23,069	20,136	22,556	10,519	17,748	21,891	45,712	46,314	19,356	17,439	32,249	44,697	25,875	22,459
1,040	211	3,054	3,137	3,046	7,355	2,970	2,339	232	249	3,606	3,048	1,042	308	2,447	4,077	1,431	6,418	2,810	1,800	238	220	3,230	2,510	759	206	2,394	2,888
38,087	60,034	32,021	28,847	29,834	17,669	26,146	29,703	55,375	48,567	30,630	26,543	38,753	59,479	35,312	28,931	32,751	18,617	29,111	32,040	54,614	56,197	28,472	28,792	45,652	57,157	38,764	31,962
284	65	223	547	767	2,527	904	799	84	102	1,210	919	254	95	139	1,044	977	2,187	836	561	117	92	1,045	791	214	65	111	507
755	166	2,831	2,590	2,279	4,828	2,066	1,600	148	148	2,395	2,129	788	213	2,308	3,033	2,454	4,231	1,974	1,239	121	128	2,186	1,719	545	141	2,283	2,381
12,205 2034	13,738 2034	11,558 2035	9,451 2035	9,870 2035	7,985 2035	10,686 2035	9,821 2035	9,151 2035	9,110 2035	9,956 2035	10,973 2035	12,095 2035	13,543 2035	12,244 2036	8,795 2036	10,195 2036	8,098 2036	11,363 2036	10,149 2036	8,902 2036	9,883 2036	9,116 2036	11,353 2036	13,403 2036	12,461 2036	12,889 2037	9,503 2037
\$ 363,948	\$ 444,540	\$ 548,879	\$ 406,404	\$ 343,647	\$ 267,210	\$ 288,768	\$ 299,612	\$ 286,233	\$ 278,439	\$ 291,583	\$ 327,493	\$ 368,481	\$ 447,642	\$ 586,081	\$ 381,223	\$ 357,806	\$ 273,062	\$ 309,524	\$ 312,017	\$ 280,638	\$ 304,412	\$ 269,065	\$ 341,439	\$ 411,520	\$ 415,216	\$ 632,851	\$ 422,510
\$ -	\$ 5,086	\$ 115,168	\$ 105,360	\$ 71,350	\$ 151,137	\$ -	\$ -	\$ 4,633	\$ -	\$ -	\$ -	\$ -	\$ 6,668	\$ 95,849	\$ 125,965	\$ 78,473	\$ 135,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,494	\$ 96,767	\$ 100,916
\$ 363,948	\$ 444,540	\$ 548,879	\$ 406,404	\$ 343,647	\$ 267,210	\$ 288,768	\$ 299,612	\$ 286,233	\$ 278,439	\$ 291,583	\$ 327,493	\$ 368,481	\$ 447,642	\$ 586,081	\$ 381,223	\$ 357,806	\$ 273,062	\$ 309,524	\$ 312,017	\$ 280,638	\$ 304,412	\$ 269,065	\$ 341,439	\$ 411,520	\$ 415,216	\$ 632,851	\$ 422,510

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