

DEF 2017 TYSP UPDATE

September 12, 2017



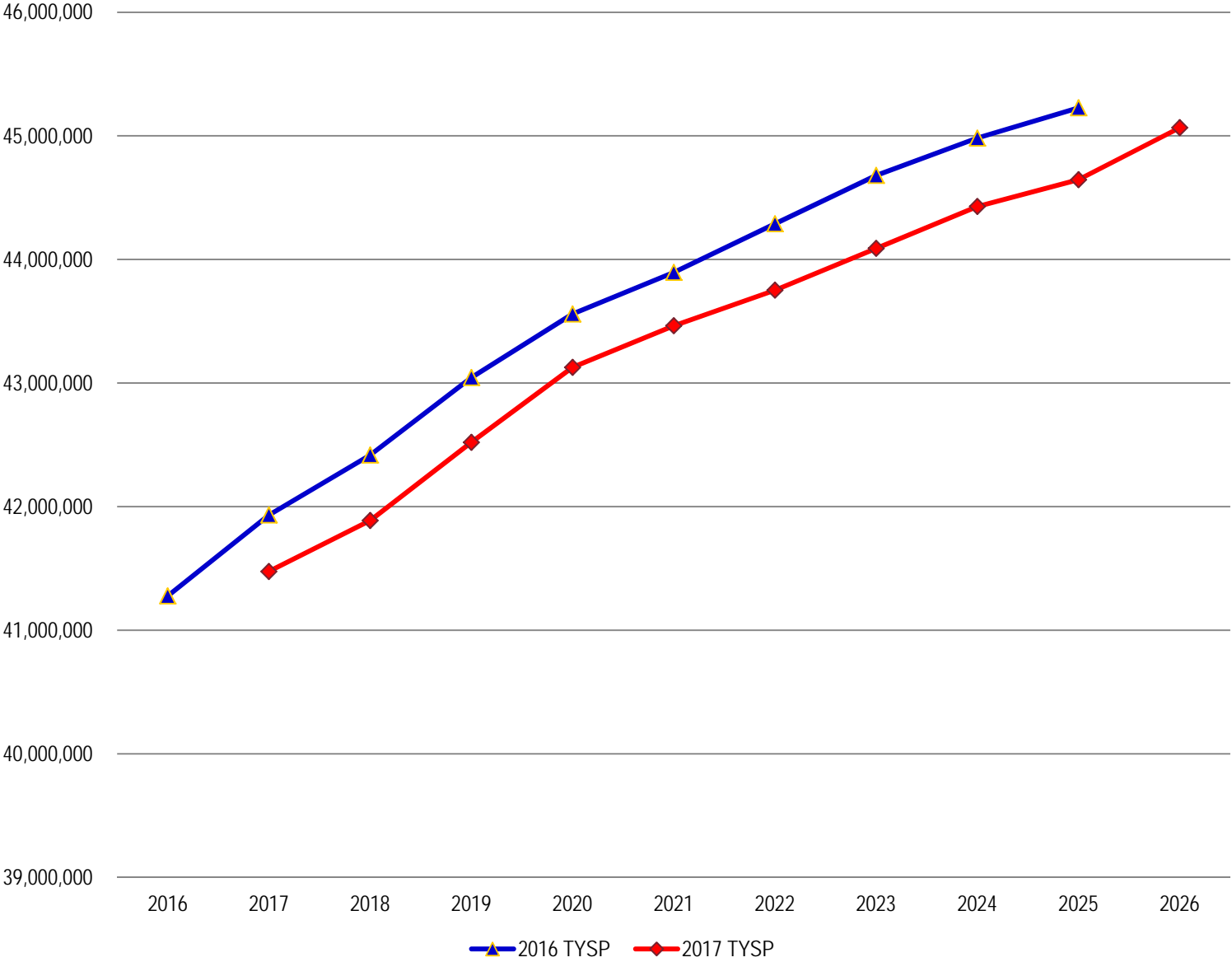
2016 Ten Year Resource Plan

Year	2016 TYSP Plan	Summer Rating MWs	Summer Reserve Margin
2016	Orange Cogen Add Capacity (Jan '16)	30	25%
	Crystal River 1 Deration (Mar '16)	(41)	
	Crystal River 2 Deration (Mar '16)	(55)	
	Turner 1&2-4, Rio Pinar Retirements (May '16)	(91)	
	Southern Scherer Contract Expires (May '16)	(71)	
	Southern Franklin Contract Expires (May '16)	(342)	
	Suwannee Steam Units 1-3 Retirements (Nov '16)	(128)	
	Southern UPS Contract - Franklin (Jun '16)	425	
Hines 1-3 Uprate (Oct '16)	165		
2017	Osprey PPA Expires (Jan '17)	(244)	25%
	Osprey Acquisition (Jan '17) (after losses)	244	
	Hines 4 Uprate (Jan '17)	55	
	Intercession City 11 Summer Acq (Jul '17)	143	
2018	Crystal River 1 Retirement (Apr '18)	(329)	24%
	Crystal River 2 Retirement (Apr '18)	(444)	
	CC2x1 G @ Citrus (May '18)	820	
	CC2x1 G @ Citrus (Nov '18)	820	
2019			28%
2020	Osprey Transmission Upgrade (Jan '20) *	331	28%
	Avon Park 1-2 (May '20)	(48)	
	Higgins 1-4 Retirement (May '20)	(109)	
2021	Southern UPS Contract Expires - Franklin (May '21)	(425)	22%
2022			21%
2023	Orlando Cogen Contract Expires (Dec '23)	(115)	20%
2024	Shady Hills Contract Expires (Apr '24)	(480)	20%
	4 CTs (Jun '24)	849	
	Mulberry (Aug '24)	(115)	
2025	CT (Jun '25)	212	20%
	Orange Cogen Contract Expires (Dec '25)	(104)	



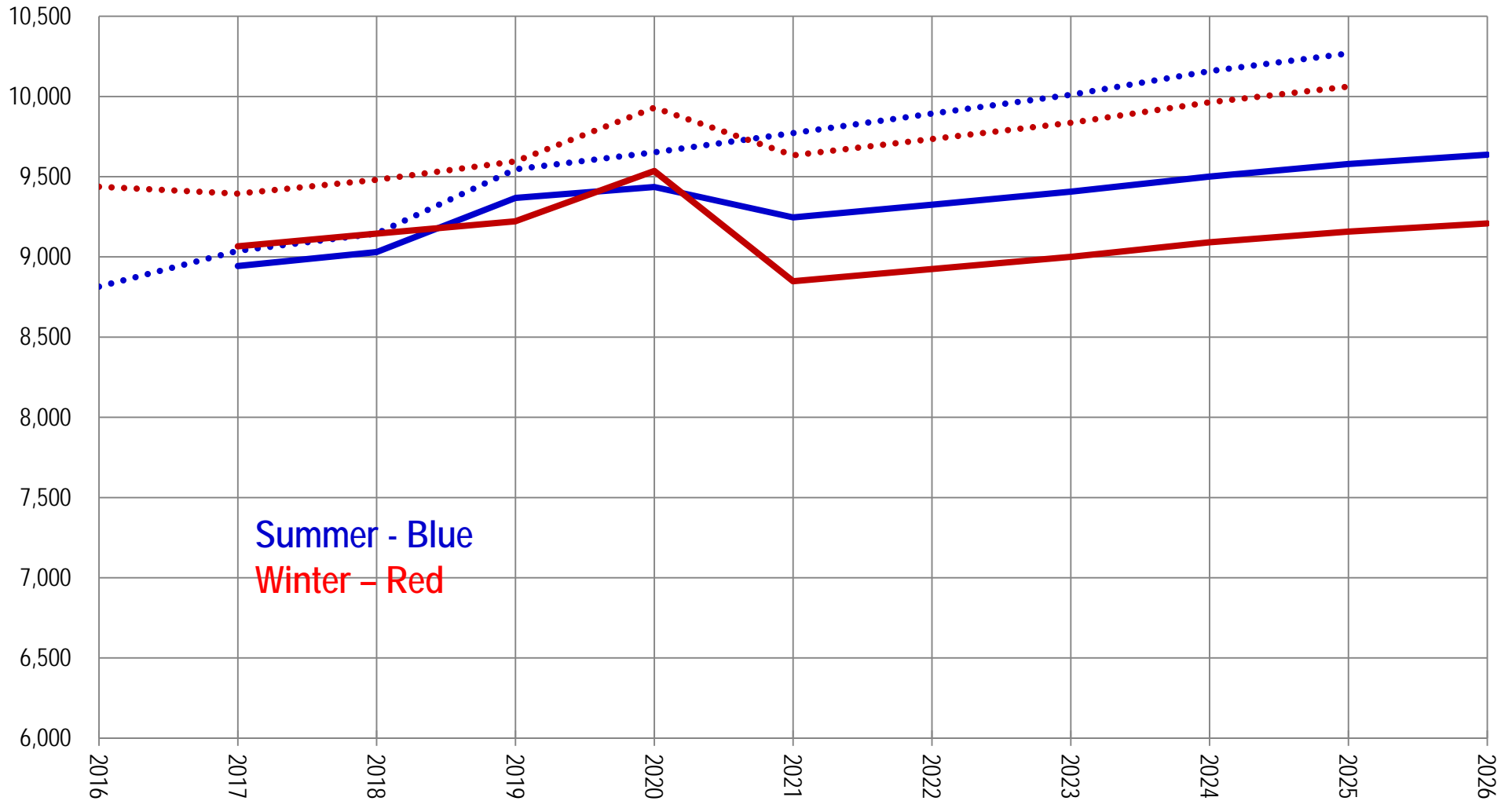
DEF Load Forecast Update

System Energy Requirements (Mwh)



DEF Load Forecast Update

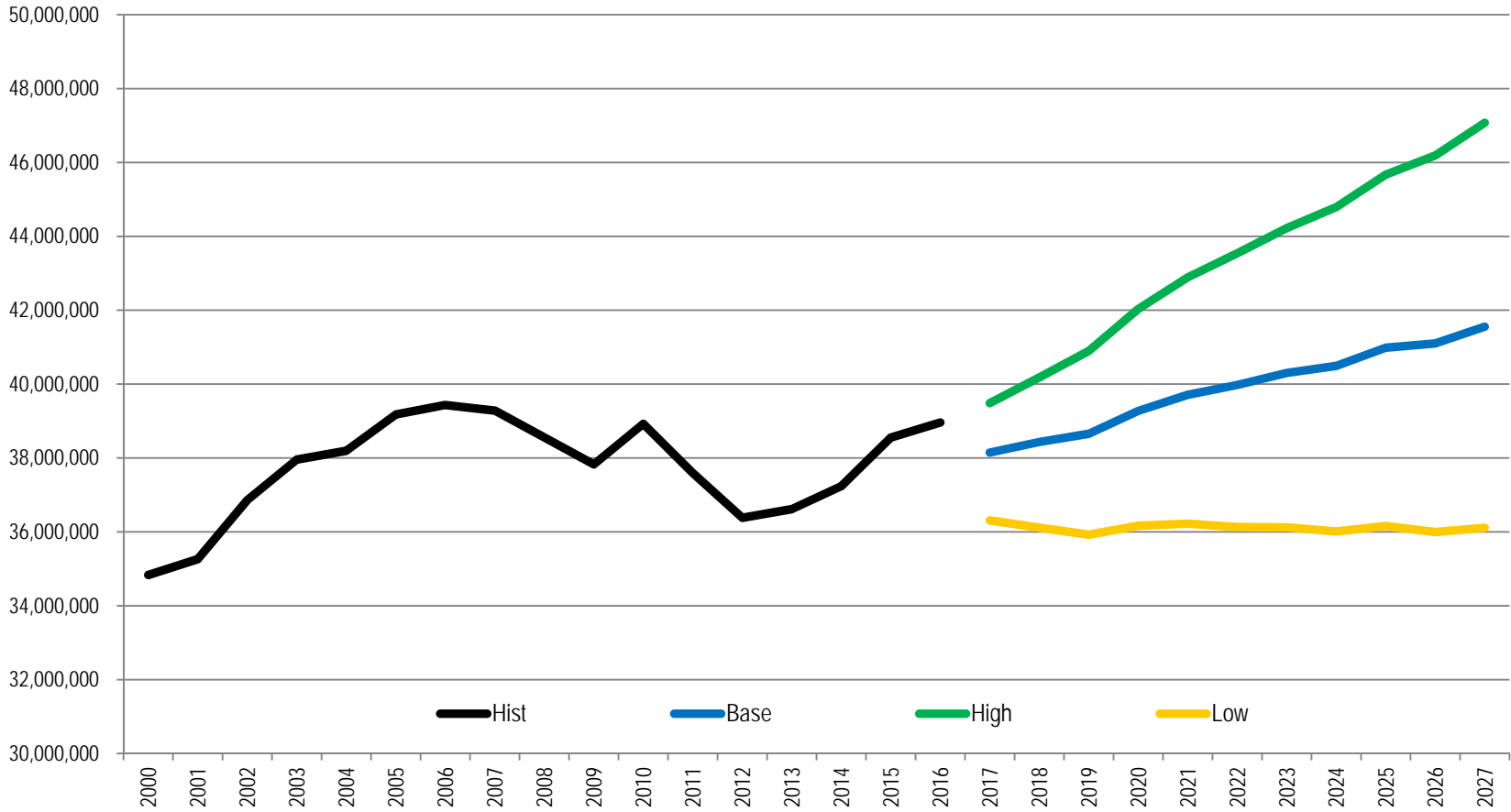
Projected Summer and Winter Firm Peak Demand



..... 2016 TYSP Summer 2016 TYSP Winter ——— 2017 TYSP Summer ——— 2017 TYSP Winter

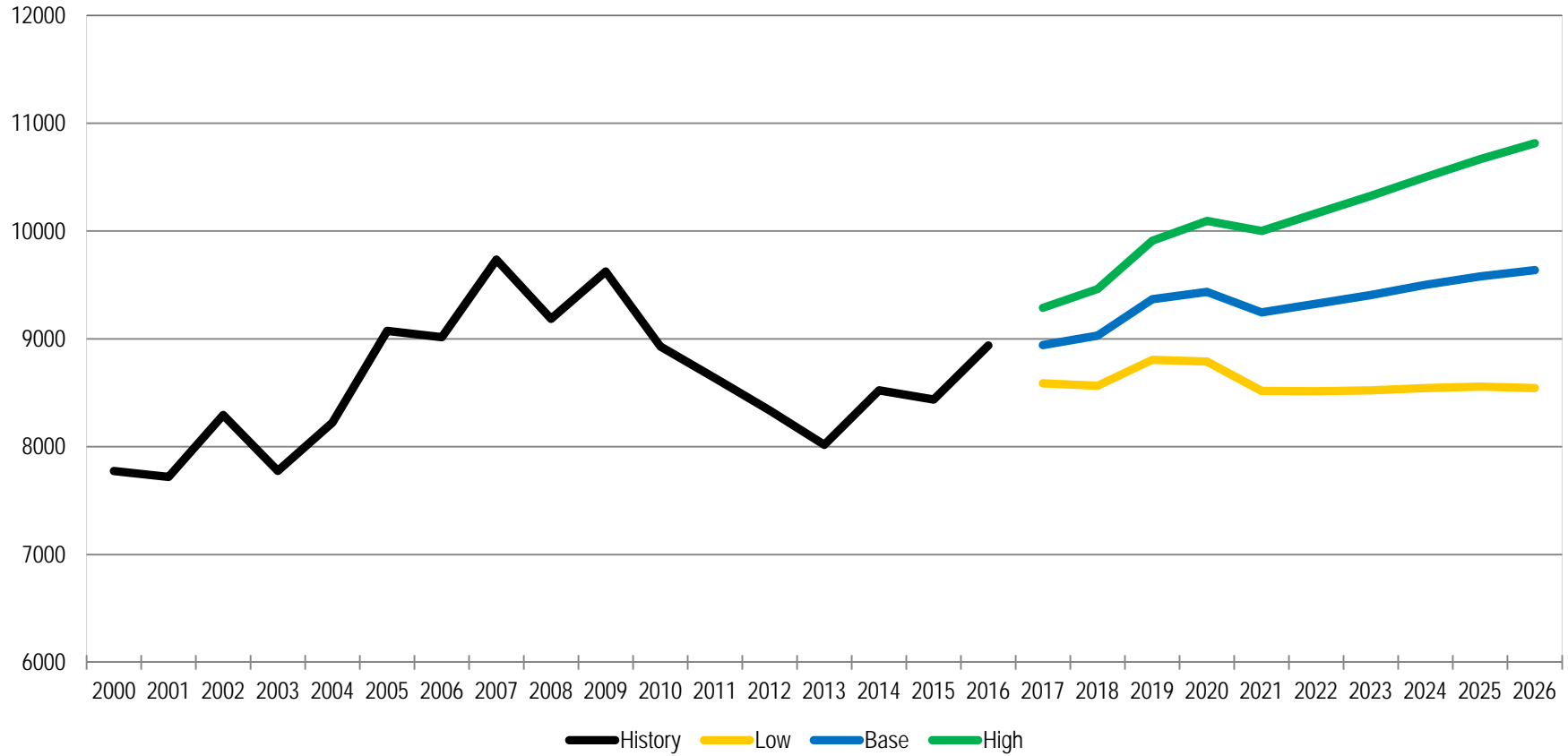
Energy: Range Of Forecasts

Retail MWH



Summer Peak Demand: Range of Forecasts

Summer System Firm



DEF 2017 Resource Plan

Year	2017 TYSP Resource Plan	Summer Rating MWs
2017	Osprey Acquisition (Jan '17) (after losses)	245
	Hines 1-4 Uprate (Apr '17)	233
2018	Crystal River 1 Retirement (Apr '18)	(324)
	Crystal River 2 Retirement (Apr '18)	(442)
	CC2x1 G @ Citrus (May '18)	820
	CC2x1 G @ Citrus (Nov '18)	820
	Intercession City 11 Summer Acq (Jul '18)	140
	EcoGen Polk (Jun '18)	60
2019		
2020	Avon Park 1-2 (May '20)	(48)
	Higgins 1-4 Retirement (May '20)	0
2021	Southern UPS Contract Expires - Franklin (May '21)	(424)
2022		
2023	Osprey Transmission Upgrade (May '23) *	313
	Orlando Expires (Dec '23)	(115)
2024	Shady Hills (Apr '24)	(476)
	CT (Jun '24)	228
	Mulberry (Aug '24)	(115)
2025	CT (Jun '25)	228
	Orange Expires (Dec '25)	(104)
2026	CT (Jun '26)	228



Expected Utility Scale Solar PV



As of the end of 2016, DEF projects a total of over 1,500 MW of utility scale solar PV projects to be installed in the DEF territory over the 10-year period, including both DEF and 3rd party owned projects. Projects will be influenced by fluctuating panel costs, development details, renewable energy incentives and other factors.

Solar		
Year	Annual MW	Cumulative MW
2017	9	18
2018	170	188
2019	125	313
2020	225	538
2021	150	688
2022	150	838
2023	150	988
2024	225	1,213
2025	150	1,363
2026	150	1,513

