

Base Case	Plan 1: Install Normal EE and Coal				
	Buy PPA	Install CT's	Install CC	Install SCPC	Install Residential and Normal C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			15
2011	0	0			35
2012	0	0			57
2013	0	0			74
2014	0	0			93
2015	0	0			88
2016	0	0			82
2017	0	0			74
2018	0	0			73
2019	0	0			71
2020	0	0			69
2021	0	0			68
2022	0	0		300	68
2023	0	0			68
2024	0	0			68
2025	0	0			68
2026	0	0			68
2027	0	0			68
2028	0	0			68
2029	0	0			68
2030	0	0			68
2031	0	0	273		68
2032	0	0			68

Base Case	Plan 2: Install Normal EE and CT's				
	Buy PPA	Install CT's			Install Residential and Normal C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			15
2011	0	0			35
2012	0	0			57
2013	0	0			74
2014	0	0			93
2015	0	0			88
2016	0	0			82
2017	0	0			74
2018	0	0			73
2019	0	0			71
2020	0	0			69
2021	0	0			68
2022	0	0			68
2023	25	0			68
2024	50	0			68
2025	100	0			68
2026	150	0			68
2027	25	154			68
2028	75	0			68
2029	125	0			68
2030	0	154			68
2031	50	0			68
2032	75	0			68

Retire Coal	Plan 3: Install Wind, Aggressive EE, Nuclear and CT's				
	Buy PPA	Install CT's	Install Wind	Install Nuclear	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		0
2011	0	0	100		0
2012	0	0	100		17
2013	0	0			40
2014	0	0			66
2015	0	0			89
2016	50	154			114
2017	75	0			109
2018	125	0			103
2019	0	154			95
2020	50	0			94
2021	75	0			92
2022	100	0			90
2023	125	0			89
2024	25	154			90
2025	0	0		300	90
2026	0	0			90
2027	0	0			89
2028	0	0			90
2029	0	0			90
2030	0	0		300	90
2031	0	0			89
2032	0	0			89

Retire Coal	Plan 4: No Wind, EE, Nuclear and CT's				
	Buy PPA	Install CT's	Install Wind	Install Nuclear	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			0
2011	0	0			0
2012	0	0			17
2013	0	0			40
2014	0	0			66
2015	0	0			89
2016	100	154			114
2017	150	0			109
2018	25	154			103
2019	75	0			95
2020	125	0			94
2021	150	0			92
2022	25	154			90
2023	50	0			89
2024	75	0			90
2025	0	0		300	90
2026	0	0			90
2027	0	0			89
2028	0	0			90
2029	0	0			90
2030	0	0		300	90
2031	0	0			89
2032	0	0			89

Retire Coal	Plan 5: Install Wind, Aggressive EE, IGCC w/CCS and CT's				
	Buy PPA	Install CT's	Install Wind	Install IGCC w/CCS	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		0
2011	0	0	100		0
2012	0	0	100		17
2013	0	0			40
2014	0	0			66
2015	0	0			89
2016	50	154			114
2017	75	0			109
2018	125	0			103
2019	0	154			95
2020	50	0			94
2021	75	0			92
2022	100	0			90
2023	125	0			89
2024	25	154			90
2025	0	0		300	90
2026	0	0			90
2027	0	0			89
2028	0	0			90
2029	0	0			90
2030	0	0		300	90
2031	0	0			89
2032	0	0			89

Retire Coal	Plan 6: Install Wind, Aggressive EE, SCPC w/CCS and CT's				
	Buy PPA	Install CT's	Install Wind	Install SCPC w/CCS	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		0
2011	0	0	100		0
2012	0	0	100		17
2013	0	0			40
2014	0	0			66
2015	0	0			89
2016	50	154			114
2017	75	0			109
2018	125	0			103
2019	0	154			95
2020	50	0			94
2021	75	0			92
2022	100	0			90
2023	125	0			89
2024	25	154			90
2025	0	0		300	90
2026	0	0			90
2027	0	0			89
2028	0	0			90
2029	0	0			90
2030	0	0		300	90
2031	0	0			89
2032	0	0			89

Base with CCS	Plan 7: Install Wind, EE, Convert Existing I-1, I-2 an L-2 Units to CCS and CT's				
	Buy PPA	Install CT's	Install Wind		Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		0
2011	0	0	100		0
2012	0	0	100		17
2013	0	0			40
2014	0	0			66
2015	0	0			89
2016	0	0			114
2017	0	0			109
2018	0	0			103
2019	0	0			95
2020	0	0			94
2021	0	0			92
2022	125	154			90
2023	0	154			89
2024	50	0			90
2025	0	154			90
2026	0	0			90
2027	25	0			89
2028	0	154			90
2029	0	0			90
2030	0	0			90
2031	25	0			89
2032	0	154			89

Retire Coal	Plan 8: Install Wind, Aggressive EE, Nuclear and CT's				
	Buy PPA	Install CT's	Install Wind	Install Nuclear	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			0
2011	0	0			0
2012	0	0	100		17
2013	0	0	100		40
2014	0	0	100		66
2015	0	0	100		89
2016	50	154			114
2017	75	0			109
2018	125	0			103
2019	0	154			95
2020	50	0			94
2021	75	0			92
2022	100	0			90
2023	125	0			89
2024	25	154			90
2025	0	0		300	90
2026	0	0			90
2027	0	0			89
2028	0	0			90
2029	0	0			90
2030	0	0		300	90
2031	0	0			89
2032	0	0			89

Retire Coal	Plan 9: Install Wind, Aggressive EE, Nuclear and CT's				
	Buy PPA	Install CT's	Install Wind	Install Nuclear	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			0
2011	0	0			0
2012	0	0	100		17
2013	0	0	100		40
2014	0	0			66
2015	0	0			89
2016	75	154			114
2017	100	0			109
2018	150	0			103
2019	50	154			95
2020	75	0			94
2021	125	0			92
2022	150	0			90
2023	0	154			89
2024	50	0			90
2025	0	0		300	90
2026	0	0			90
2027	0	0			89
2028	0	0			90
2029	0	0			90
2030	0	0		300	90
2031	0	0			89
2032	0	0			89

Retire Coal	Plan 10: Install Wind, Aggressive EE, Nuclear and CT's				
	Buy PPA	Install CT's	Install Wind	Install Nuclear	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		17
2011	0	0	100		40
2012	0	0	100		66
2013	0	0			89
2014	0	0			114
2015	0	0			109
2016	50	154			103
2017	100	0			95
2018	125	0			94
2019	25	154			92
2020	50	0			90
2021	100	0			89
2022	100	0			90
2023	125	0			90
2024	25	154			90
2025	0	0		300	89
2026	0	0			90
2027	0	0			90
2028	0	0			90
2029	0	0			89
2030	0	0		300	89
2031	0	0			89
2032	0	0			89

Plan 11:
Plan 3 with PTC

Base Case	Plan 12: Install Residential EE and CT's				
	Buy PPA	Install CT's			Install Residential EE
2008	0	0			0
2009	0	0			0
2010	0	0			10
2011	0	0			24
2012	0	0			40
2013	0	0			50
2014	0	0			61
2015	0	0			56
2016	0	0			50
2017	0	0			42
2018	0	0			41
2019	0	0			39
2020	0	0			37
2021	0	0			37
2022	25	0			37
2023	50	0			37
2024	100	0			37
2025	125	0			37
2026	25	154			37
2027	50	0			37
2028	100	0			37
2029	150	0			37
2030	25	154			37
2031	75	0			37
2032	100	0			37

Base Case	Plan 13: Install Normal C&I EE and CT's				
	Buy PPA	Install CT's			Install Normal C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			5
2011	0	0			11
2012	0	0			17
2013	0	0			24
2014	0	0			32
2015	0	0			32
2016	0	0			32
2017	0	0			32
2018	0	0			32
2019	0	0			32
2020	0	0			32
2021	0	0			32
2022	25	0			32
2023	50	0			32
2024	100	0			32
2025	150	0			32
2026	25	154			32
2027	75	0			32
2028	100	0			32
2029	0	154			32
2030	50	0			32
2031	75	0			32
2032	100	0			32

Base Case	Plan 14: Install Aggressive C&I EE and CT's				
	Buy PPA	Install CT's			Install Aggressive C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			7
2011	0	0			16
2012	0	0			26
2013	0	0			39
2014	0	0			53
2015	0	0			53
2016	0	0			53
2017	0	0			53
2018	0	0			53
2019	0	0			53
2020	0	0			53
2021	0	0			53
2022	0	0			53
2023	25	0			53
2024	75	0			53
2025	125	0			53
2026	0	154			53
2027	50	0			53
2028	100	0			53
2029	125	0			53
2030	25	154			53
2031	50	0			53
2032	100	0			53

Base Case	Plan 15: Install Residential and Aggressive C&I EE and CT's				
					Install Residential and Aggressive C&I EE
	Buy PPA	Install CT's			
2008	0	0			0
2009	0	0			0
2010	0	0			17
2011	0	0			40
2012	0	0			66
2013	0	0			89
2014	0	0			114
2015	0	0			109
2016	0	0			103
2017	0	0			95
2018	0	0			94
2019	0	0			92
2020	0	0			90
2021	0	0			89
2022	0	0			90
2023	0	0			90
2024	25	0			90
2025	75	0			89
2026	125	0			90
2027	0	154			90
2028	50	0			90
2029	100	0			89
2030	125	0			89
2031	25	154			89
2032	50	0			89

Base Case	Plan 16: Install Wind, Solar, Normal Residential and C&I EE, and CT's				
	Buy PPA	Install CT's	Install Wind	Install Solar	Install Residential and Normal C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			15
2011	0	0		0.03	35
2012	0	0			57
2013	0	0			74
2014	0	0	50	0.16	93
2015	0	0			88
2016	0	0			82
2017	0	0			74
2018	0	0	150	0.59	73
2019	0	0			71
2020	0	0			69
2021	0	0	150	1.01	68
2022	0	0			68
2023	0	0	50		68
2024	0	0			68
2025	50	0			68
2026	75	0			68
2027	125	0			68
2028	25	154			68
2029	50	0			68
2030	100	0		0.13	68
2031	125	0			68
2032	25	154			68

Growing DSM Case	Plan 17: Growing DSM and CT's				
	Buy PPA	Install CT's	Install Wind	Install SCPC	
2008	0	0			
2009	0	0			
2010	0	0			
2011	0	0			
2012	0	0			
2013	0	0			
2014	0	0			
2015	0	0			
2016	0	0			
2017	0	0			
2018	0	0			
2019	0	0			
2020	0	0			
2021	25	0			
2022	50	0			
2023	75	0			
2024	100	0			
2025	150	0			
2026	25	154			
2027	75	0			
2028	125	0			
2029	25	154			
2030	50	0			
2031	75	0			
2032	125	0			

Curtail DSM Case	Plan 18: Install CT's, CURTAIL DSM/EE				
	Buy PPA	Install CT's	Install Wind		
2008	0	0			
2009	0	0			
2010	0	0			
2011	0	0			
2012	0	0			
2013	0	0			
2014	0	0			
2015	0	0			
2016	0	0			
2017	0	0			
2018	0	0			
2019	0	0			
2020	0	0			
2021	0	0			
2022	0	0			
2023	0	154			
2024	0	0			
2025	0	0			
2026	0	0			
2027	0	154			
2028	0	0			
2029	0	0			
2030	0	0			
2031	0	154			
2032	0	0			

Base Case	Plan 19: Install Wind with PTC, Residential and Aggressive C&I EE and CT's				
	Buy PPA	Install CT's	Install Wind		Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		17
2011	0	0	100		40
2012	0	0	100		66
2013	0	0			89
2014	0	0			114
2015	0	0			109
2016	0	0			103
2017	0	0			95
2018	0	0			94
2019	0	0			92
2020	0	0			90
2021	0	0			89
2022	0	0			90
2023	0	0			90
2024	0	0			90
2025	25	0			89
2026	50	0			90
2027	100	0			90
2028	150	0			90
2029	50	154			89
2030	75	0			89
2031	100	0			89
2032	150	0			89

Growing DSM Case	Plan 20: Growing DSM + Residential and Aggressive C&I EE				
	Buy PPA	Install CT's	Install Wind		Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0			0
2010	0	0			17
2011	0	0			40
2012	0	0			66
2013	0	0			89
2014	0	0			114
2015	0	0			109
2016	0	0			103
2017	0	0			95
2018	0	0			94
2019	0	0			92
2020	0	0			90
2021	0	0			89
2022	0	0			90
2023	0	0			90
2024	25	0			90
2025	50	0			89
2026	100	0			90
2027	150	0			90
2028	25	154			90
2029	75	0			89
2030	125	0			89
2031	150	0			89
2032	25	154			89

Growing DSM CASE	Plan 21: Install Wind with PTC, Residential and Aggressive C&I EE, Growing DSM and CT's				
	Buy PPA	Install CT's	Install Wind	Install SCPC	Install Residential and Aggressive C&I EE
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		17
2011	0	0	100		40
2012	0	0	100		66
2013	0	0			89
2014	0	0			114
2015	0	0			109
2016	0	0			103
2017	0	0			95
2018	0	0			94
2019	0	0			92
2020	0	0			90
2021	0	0			89
2022	0	0			90
2023	0	0			90
2024	0	0			90
2025	0	0			89
2026	50	0			90
2027	75	0			90
2028	125	0			90
2029	25	154			89
2030	50	0			89
2031	100	0			89
2032	125	0			89

Plan 22:
Plan 21 without PTC

Plan 23:
Plan 19 without PTC

Curtail DSM Case	Plan 24: Install Wind with PTC, Residential and Aggressive C&I EE, Curtail DSM				
					Install Residential and Aggressive C&I EE
	Buy PPA	Install CT's	Install Wind		
2008	0	0			0
2009	0	0	100		0
2010	0	0	100		17
2011	0	0	100		40
2012	0	0	100		66
2013	0	0			89
2014	0	0			114
2015	0	0			109
2016	0	0			103
2017	0	0			95
2018	0	0			94
2019	0	0			92
2020	0	0			90
2021	0	0			89
2022	0	0			90
2023	0	0			90
2024	50	0			90
2025	100	0			89
2026	125	0			90
2027	25	154			90
2028	75	0			90
2029	125	0			89
2030	150	0			89
2031	25	154			89
2032	75	0			89

Plan 25:
Plan 19 with Montrose converted
to 10% biomass usage

Base Case	Plan 26: Install Wind in 2012 with PTC, Residential and Aggressive C&I EE and CT's				
					Install Residential and Aggressive C&I EE
	Buy PPA	Install CT's	Install Wind		
2008	0	0			0
2009	0	0			0
2010	0	0			17
2011	0	0			40
2012	0	0	100		66
2013	0	0	100		89
2014	0	0	100		114
2015	0	0	100		109
2016	0	0			103
2017	0	0			95
2018	0	0			94
2019	0	0			92
2020	0	0			90
2021	0	0			89
2022	0	0			90
2023	0	0			90
2024	0	0			90
2025	25	0			89
2026	50	0			90
2027	100	0			90
2028	150	0			90
2029	50	154			89
2030	75	0			89
2031	100	0			89
2032	150	0			89