

Comparison of Resource Plans - Base Cases

	Case 4	Case 5	Case 6	Case 7	Case 8	Case 9
Year	All Gas, w/o Hop 2 CC Ph II	All Gas, w/ Hop 2 CC Ph II	CFB as option, w/o Hop 2 CC Ph II	CFB as option, w/ Hop 2 CC Ph II	TEC, w/o Hop 2 CC Ph II	IGCC, w/o Hop 2 CC Ph II
2008	Hop 2 CC Ph I	Hop 2 CC Ph I	Hop 2 CC Ph I	Hop 2 CC Ph I	Hop 2 CC Ph I	Hop 2 CC Ph I
2011	GE 7EA CT	Hop 2 CC Ph II	GE 7EA CT	Hop 2 CC Ph II	GE 7FA CT	GE 7EA CT
2012					TEC	
2015	GE 7FA CT		CFB			GE 7FA CT
2016						
2017		GE LM 6000 CT		CFB		
2018	GE LM 6000 CT	GE LM 6000 CT				IGCC
2021						
2023	GE LM 6000 CT	GE LM 6000 CT				
MW	381	372	390	484	369	523
CPWC (\$000)	\$4,362,330	\$4,415,793	\$4,241,584	\$4,435,846	\$4,162,350	\$4,480,363
Diff v. Case 4	\$0	\$53,463	(\$120,746)	\$73,516	(\$199,980)	\$118,033

Hop 2 CC Ph I: the conversion of Hopkins Unit 2 into a natural gas-fired 1x1 (Phase I - 1 CT, 1 steam turbine/generator) combined cycle (base load/intermediate) unit (296 MW) similar to Purdom 8

Hop 2 CC Ph II: the conversion of Hopkins Unit 2 into a natural gas-fired 2x1 (Phase II - 2 CTs, 1 steam turbine/generator) combined cycle (base load/intermediate) unit (467 MW)

GE 7EA CT: a General Electric natural gas-fired combustion turbine (peaking) unit (72 MW)

GE 7FA CT: a General Electric natural gas-fired combustion turbine (intermediate/peaking) unit (149 MW)

GE LM 6000 CT: a General Electric natural gas-fired combustion turbine (peaking) unit (46 MW)

CFB: a circulating fluid bed coal (base load) unit (250 MW)

TEC: the Taylor Energy Center supercritical pulverized coal (base load) unit (the City's share of that coal plant would be about 152 MW)

IGCC: an integrated gasification combined cycle (base load) unit (234 MW)

MW: the cumulative megawatts of capacity added in each case

CPWC: the cumulative present worth cost of the case (includes capital, fuel, O&M)