

Planned U.S. Advanced Coal Technology Plants (10/12/07)¹

FutureGen

| Company | Status | MW |
|--------------------|---|-----------|
| FutureGen Alliance | EIS completed on four final sites (IL and TX) | 275 |

Ultra-supercritical PC

| Company | Status | MW |
|-------------------------------|---|-----------|
| AEP | AR – with Southwestern Electric Power Company; Proposed 8/2006 | 600 |
| Florida Power & Light | FL – 7/2007, Florida Public Service Commission issued a formal order denying Florida Power & Light's application for a determination of need for its proposed 1,960 megawatt coal plant near Lake Okechobee Florida. In a five-page order, the Commission found that FP&L had failed to demonstrate that the coal plant was the most cost-effective way to meet energy demand in the state, and rejected FP&L's argument that its need to "diversify" its power sources justified building the plant. | 2 @ 980 |
| AEP & Oklahoma Gas & Electric | OK – 9/2007, OK Corporation Commission voted to reject a request for pre-approval of plans to build the plant stating that the utilities had not proven they had sufficiently explored alternative forms of energy. | 950 |
| Santee Cooper | SC – 10/2007, the South Carolina Department of Health and Environmental Council (SCDHEC) issued the draft Prevent of Significant Deterioration (PSD) permit for Santee Cooper's proposed Pee Dee coal-fired power plant; the permit and related documents are all publicly available on SCDHEC's website; a public hearing on this permit will be held 11/2007. | 600 |

Supercritical PC

| Company | Status | MW |
|----------------------------|--|-----------|
| GenPower LLC; Longview | WV – project received all necessary permit approvals to commence construction in 1/2007; completion date of 2011. | 660 |
| Great Plains Energy | MO – with Kansas City Power & Light; near construction 3/2007 | 850 |
| Interstate Power & Light | IA – 9/2007, Community Energy Solutions, Iowa Environmental Council, Iowa Farmers Union, Iowa Renewable Energy Association and Iowa Chapter of Physicians for Social Responsibility filed a petition with the Iowa Utilities Board voicing opposition. | 600 |
| E.ON U.S. LLC | KY – received \$125M in federal tax credit 11/2006. | 750 |
| North American Power Group | WY – permit issued but construction has not started. | 270 |
| NRG Energy | LA – in 1/ 2007, LDEQ held a hearing for the public to comment on a permit modification application NRG Energy filed to allow the new unit to burn a different type of coal; as of 3/2007, the modified permit not yet issued. | 750 |
| Otter Tail Power Company | MN – 9/2007, two Minnesota utilities - Great River Energy and Southern Minnesota Municipal - who were previously backing the South Dakota project pulled out; project may be downgraded to 500 MW. | 675 |
| Powergen | KY – with LG&E; the air permit has gone back to draft stage and comments on the new draft permit were due early 9/2007. | 750 |

¹ Information contained in the status and MW columns derived from multiple sources, including: DOE-NETL May 2007 database; Energy Velocity database; Sierra Club "Coal Rush Plants" list; company websites; media releases.

Supercritical PC (continued)

| Company | Status | MW |
|--------------------------------|---|-----------|
| Sempra Energy Resources | NV – feasibility study on hold 3/2006; no updates on website. | 250 |
| Sierra Pacific | NV – the draft air permit is still expected sometime in 9/2007. The draft environmental impact statement isn't due out until sometime in 2008. | 2 @ 725 |
| Sithe Global Power, LLC | NM – air permit approved 12/2006; a Notice of Availability of the Draft EIS is expected to be published in the Federal Register on 6/2007. | 2 @ 750 |
| Sunflower Electric Power Corp. | KS – near construction 4/2007; 10/2007, company announced that the plants may be in jeopardy now that KS's governor has expressed opposition to coal-fired power projects in the state and the KS AG has found the state's Dept. of Health & Environ. Has the authority to withhold the project's air permit over the possible public health impact of CO ₂ emissions. | 3 @ 700 |
| TXU | TX – cancelled 2007 | 1750 |
| We Energies | WI – Pleasant Point; under construction 2006 | 512 |
| We Energies | WI – Oak Creek; 3/2007, a Dane County Circuit Judge ruled that that the water permit does not comply with a recent federal appeals court decision. | 2 @ 512 |
| Xcel Energy | CO – construction 11/2006 | 750 |

Circulating Fluidized Bed (CFB) Plants

| Company | Status | MW |
|---|--|-----------|
| Cleco Power | LA – development 4/2006; 6/2006, the Louisiana Department of Environmental Quality issued a Title V operating permit. | 600 |
| Dominion | VA – proposed 4/2007; 9/2007, the Sierra Club, joined by Chesapeake Climate Action Network and the Southern Environmental Law center, filed a legal challenge to oppose plant. | 600 |
| East Kentucky Power | KY – approved 8/2005; 8/2007, the EPA released an order favoring the Sierra Club's opposition to the plans and permitting; company has 90 days to respond. | 278 |
| Entergy Louisiana LLC | LA – state agency issued the draft permit in 5/2007, with written comments due and a public hearing held in 6/2007. | 530 |
| Estill County Energy Partners | KY – development 10/2004; permit application considered deficient in 2004; no updates found. | 110 |
| Great Northern Power Development (South Heart Coal LLC) | MT – 8/2007, South Heart withdrew its application for its proposed CFB plant and coal mine and is considering sending in a new application for an IGCC plant in the same location. | 500 |
| Great River Energy | ND – 7/2007, ND Dept. of Health issued proposed permit to construct plant. | 112 |
| Indeck Energy Service | IL – 9/2006, the USEPA Environmental Appeals Board (EAB) overturned the air permit. | 600 |
| Jamestown Board of Utilities | NY – 5/2007, Jamestown Board of Public Utilities approved the final Environmental Impact Statement (EIS). | 40 |
| Nevco Energy Company LLC | UT – 10/2007, attorneys representing the Sierra Club and the Grand Canyon National Trust made their case against Sevier Power Company's proposed coal-fired power plant, arguing that the air permit for the 270 megawatt plant contains numerous flaws, including failing to consider best available control technology and relying on inadequate modeling and visibility analysis. | 270 |
| Robinson Power Company | PA – proposed 4/2005; permit approved 2006; no update found. | 250 |
| Southern Montana Electric Generation & Transmission | MT – 7/2007, Sierra Club, Montana Environmental Information Center, and Citizens for Clean Energy filed a National Environmental Policy Act lawsuit challenging the U.S. Department of Agriculture's (USDA) role in the construction of this plant. | 250 |

Circulating Fluidized Bed (CFB) Plants (continued)

| Company | Status | MW |
|---|---|-----------|
| TXU | TX – near construction 3/2007; no update on website. | 600 |
| United Supply of America | IL – proposed 10/2005; no information located. | 270 |
| Wellington Development | PA – air permit, 12/2006; broke ground 7/2007. | 525 |
| Wisconsin Power & Light | WI – considering 4/2006; no updates found. | 300 |
| Western Greenbrier Co-Generation LLC; DOE | WV – demonstration project with DOE; listed as advanced CFB; approved by DOE 1/2007; 3/2007, the West Virginia Air Quality Board ruled against the Sierra Club's appeal of the Western Greenbrier Co-Generation air permit; an appeal of this decision is currently underway. | 85 |

IGCC

| Company | Status | MW |
|----------------------------|---|-----------|
| AEP | OH – Ohio Supreme Court, Oral argument scheduled for 10/2007 before the Ohio Supreme Court regarding PUCO's 2006 decision allowing AEP to charge its customers over \$23 million for pre-construction activities, such as engineering studies. | 600 |
| AEP | WV – air permit filed 1/2007; WV agency officials estimate that the draft New Source Review (NSR) permit for this plant will come out in fall 2007 at the earliest. | 630 |
| Agrium US | AK – feasibility study by company and DOE in 2006. As of 10/2006 US Gasification Technologies Conference, company was still considering plant. | 350 |
| Basin Electric Power Coop | SD – draft EIS will be out for public comment in the fall of 2008. | 630 |
| Buffalo Energy | WY – proposed 12/2006; in 8/2007, the U.S. Department of Agriculture's Rural Utilities Service (RUS) submitted a Draft Environmental Impact Statement (DEIS) - comments due in 10/2007. | 1100 |
| Clean Coal Power Resources | IL – proposed 10/2002; there is no update on this plant on the company website. | 2400 |
| CME International | OH – a new air permit application was submitted to Ohio Environmental Protection Agency in 3/2005; no other update on company website. | 600 |
| DKRW Energy LLC | WY – a 6/2007 industry publication reported that construction on this plant has already begun; the company has said they expect it to be completed by 4th quarter 2010. | 200 |
| Duke Energy | IN – 8/2007, Vectren Corp. announced that it was dropping out of the project stating that the proposed coal-fired power plant would not fit the company's future needs; the air permit is still in the application stage with the Indiana Department of Environmental Management and the Indiana Utility Regulatory Commission. | 630 |
| Energy Expeditors | WY – one of two finalists to build an IGCC plant. | 450 |
| Energy Northwest | WA – 9/2007, the Sierra Club, along with Northwest Energy Coalition and Washington Environmental Council, filed a petition to intervene in the adjudication process for Energy Northwest's proposed coal-fired power plant. | 600 |
| Erora Group | KY – the Kentucky Department of Environmental Protection's Permit Review Branch has issued the draft air permit for the Cash Creek plant for public comment and in 6/2007, the agency held a public hearing for the permit. | 770 |

IGCC (continued)

| Company | Status | MW |
|--|---|-----------|
| Excelsior Energy | MN – permitting 4/2007; in early 8/2007, the Minnesota PUC said the company’s plan for the IGCC plant was not in the public’s best interest. | 600 |
| FirstEnergy; Consol | PA or OH – no updates on either company website. | TBD |
| Florida Power & Light | FL – the St. Lucie County Commission denied FPL the right to build a plant in 2006. | TBD |
| Global Energy | OH – construction began in 2006; expected to be operational in 2009. | 600 |
| Global-Pioneer Kentucky Energy | KY – cancelled 10/2006 | 540 |
| Great River Energy | MN – cancelled 10/2006 | 250 - 500 |
| Idaho Power Company | ID – proposed 1/2007; integrated resource plan indicates that plant will be online by 2017. | 250 |
| Madison Power Corp. | IL – the State of Illinois awarded Madison and its development team \$5 million to begin detailed engineering for IGCC project and a substitute natural gas (SNG) project. | 600 |
| Mountain Island Energy Holdings LLC | ID – proposed 1/2007; the company hopes to start construction in 2013. | 250 - 400 |
| NRG Energy | DE – feasibility study 2/2007; 5/2007, the Delaware Public Service Commission recommended to Delmarva Power Company to negotiate a contract for an offshore windfarm proposal submitted by Bluewater Wind LLC. | 680 |
| NRG Energy | NY – awarded CCPI; 7/2007, according to the New York Department of Environmental Conservation, the company has discussed the proposed plant with agency officials, but has yet to submit an air permit application. | 80 |
| Nordic Energy | OH – cogeneration plant; Permitting 5/2004; as of 5/2007, Nordic Energy has yet to file a “Permit to Install” application with the Ohio EPA. | 830 |
| PacifiCorp | WY – one of two finalists to build an IGCC plant. | 450 |
| Rentech | MS – CTL plus CCS; planned to be online by 2012. | 104 |
| Rentech | WV – CTL; in 2007, currently in scoping and validation phase of project. | 104 |
| Rentech | WY – CTL; proposed 10.2005; no updates found. | 104 |
| Southern | MS – with Mississippi Power Co.; proposed 2006; no updates. | 600 |
| Southern | FL – 2/2006, the U.S. Department of Energy awarded \$235 million to Southern Company, in partnership with the Orlando Utilities Commission and Kellogg, Brown and Root, to develop and construct plant. | 285 |
| Southeast Idaho Energy or Homeland Resources | ID – submitted air permit application to the Idaho DEQ in 7/2007. scheduled to release the draft, 2/2008. | 520 |
| Steelhead Energy Co. | IL – according to IL EPA, company is reassessing plans and application is inactive. | 545 |
| Tampa Electric | FL – cancelled 10/2007 due to uncertainty of environmental regulations on capturing CO ₂ . | 630 |
| Tondu Corp. | TX – 6/2007, reconsidering plant due to high costs and lack of performance guarantees. | 630 |
| Xcel Energy | CO – 1/2007, a Boulder, Colorado businessman and environmentalist took legal action against the Colorado Public Utilities Commission (PUC) regarding their decision to allow Xcel Energy to begin construction. | 300 - 350 |