Expansion Issues
Overlays with Urban Design
What is target or priority of the Working Group?
There should be excess capacity built in
Priority development areas should coincide with areas of excess capacity and/or areas of population decline
Topography can show opportunity or prevent it
Fiberoptics, wifi - communication upgrades
Technology corridor - Main Street, Over-the-Rhine
Need good coordination on utility expansion projects

Sustainable Infrastructure (Public)
Daylighting streams - Queen City Avenue may be one of the longest in the nation (Lick Run)
Consider parks - place daylighted streams, etc. in parks or use them as parks
Initial capital costs very high right now - payback is not there yet for solar and greywater
Rates are relatively inexpensive in comparison
In some cases, could pay off - rainwater harvesting
Geothermal may be viable option - Park Board just installed at Hillside Trust
On private property - Metropolitan Sewer District of Greater Cincinnati (MSD) may want to incentivize
Heat island effect - the more trees, the cooler we can be; technologies on parking structures
Solar panels - need acreage in order to make it work - rooftops, greenspace, etc.
Energy Star - continue as an incentive
"Green" portion to building code
Citation - Leadership in Energy and Environmental Design (LEED)

Energy Supply
Homeland security issues
Is there sufficient capacity for growth - Where is reliable power available?
How feasible is it to bury power lines (aesthetic as well as making us less vulnerable)
Alternative energy sources (recycling of wood, composting, methane)
Duke Energy - Are we/can we push away from coal, make coal cleaner?
Duke Energy system upgrades
Smart grid - better energy consumption monitoring, pinpoint where lines go down, provides direct immediate feedback showing energy consumption

Water & Sewer Management
Greywater, harvesting of rainwater (Greater Cincinnati Water Works (GCWW) concerns)
Doesn't stop at the pipe - paved surface area, trees, greenery play a role
MSD doesn't want to just build bigger pipes - separate stormwater
300 miles of streams reduced to 80 in county (piped for flood control)
20 (from 2007) for separation
Water quality - our public drinking water is ranked very highly
Privatization of GCWW
Is ther capacity to support people moving back to center city?
Stream water quality is what caused the consent degree
Eco-system health is important (streams)

Trends/Best Practices
Houston - habitats, etc. in a specific park (John has this information.)
Boston - use of composting for energy
Where have they done small wind generation (talk to the Park Board)?
Boston - use Boston Harbor as a heat sink
Park Board - solar panels at Alms Park
University of Cincinnati Medical School stores chilled water which is re-circulated throughout the day
The Banks
Cincinnati Zoo - talk to them about their programs
Park Board - 10 point plan
Mayor's green technology report
Greater Cincinnati Energy Alliance should be at the table (they are)
Philadelphia has a Combined Sewer Overflow (CSO) problem they are attacking in a similar way - Planning Magazine Nov/Dec 2009
LA CA is run by google

Planning Efforts
Climate Action Plan
Form-Based Code Initiative
Does Duke Energy have a plan for additional capacity?
Cincinnati Bell and Time Warner Cable plans

Considerations
Condition, maintenance, and upgrades
Cost, access, and expansion
New technology/innovations
Sustainable infrastructure
Quality of life

Specific Data
How our water ranks nationally (purification process)
What is water capacity? Will we have problems if there is additional growth?
Can we get hard data about infrastructure capacity?

Maps/Other
Map showing regional capabilities for solar, wind, biomass power (biomass is fuel pellets made from local by-products like soy)
Where is power available/maxed out (by neighborhood)?
Priority and target areas map
Map of sufficient capacity
Credits map
Map of communications/technology corridors