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MPRAC Task Force Report Template
Clean Technology & Energy

| | Short-term (<1 year) | Intermediate (1-3 years) | Long-term (3-5+ years) |
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| 1.A Research Strategies, Initiatives, Outcomes | Oil & gas production – modeling, drilling technologies, oil recovery, environmental impacts Fuels & energy storage – GTL fuels, syngas, combustion & heat transfer, batteries, supercapacitors Power generation, utilization & efficiency – solar, wind, novel energy capture, materials, motor design, MAGLEV, power systems, grids Renewable bioenergy – biomass production & processing, fuels & fuel components, specialty chemicals, C sequestration Catalysis, materials synthesis & characterization | Oil & gas production – modeling, drilling technologies, oil recovery, environmental impacts Fuels & energy storage – GTL fuels, syngas, combustion & heat transfer, batteries, supercapacitors Power generation, utilization & efficiency – solar, wind, novel energy capture, materials, motor design, MAGLEV, power systems, grids Renewable bioenergy – biomass production & processing, fuels & fuel components, specialty chemicals, C sequestration Catalysis, materials synthesis & characterization | Oil & gas production – modeling, drilling technologies, oil recovery, environmental impacts Fuels & energy storage – GTL fuels, syngas, combustion & heat transfer, batteries, supercapacitors Power generation, utilization & efficiency – solar, wind, novel energy capture, materials, motor design, MAGLEV, power systems, grids Renewable bioenergy – biomass production & processing, fuels & fuel components, specialty chemicals, algae & alternative oil crops, C sequestration Catalysis, materials synthesis & characterization |
| 1.A* Identification of Key Participants | LSU A&M, ULL, LaTech, LSU AgCenter, Tulane, UNO, McNeese, Nicholls | LSU A&M, ULL, LaTech, LSU AgCenter, Tulane, UNO, McNeese, Nicholls | LSU A&M, ULL, LaTech, LSU AgCenter, Tulane, UNO, McNeese, Nicholls |
| 1.B Existing and Prospective | University Centers for: | University Centers for: | University Centers for: |

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| Strengths which Support 1.A Strategies, Initiatives, Outcomes | Catalyst Design; Biofuels & Bioprocessing; Geoinformatics; Rotating Machinery; Turbine Innovations; Water Resources; UL Energy Institute; CLECO Alternative Energy; Advanced Computer Studies; Campus Business Enterprise Incubators; etc. | Catalyst Design; Biofuels & Bioprocessing; Geoinformatics; Rotating Machinery; Turbine Innovations; Water Resources; UL Energy Institute; CLECO Alternative Energy; Advanced Computer Studies; Campus Business Enterprise Incubators; etc. | Catalyst Design; Biofuels & Bioprocessing; Geoinformatics; Rotating Machinery; Turbine Innovations; Water Resources; UL Energy Institute; CLECO Alternative Energy; Advanced Computer Studies; Campus Business Enterprise Incubators; etc. |
| 1.B* Identification of Key Participants | LSU A&M, ULL, LaTech, LSU AgCenter, Tulane, UNO, McNeese, Nicholls | LSU A&M, ULL, LaTech, LSU AgCenter, Tulane, UNO, McNeese, Nicholls | LSU A&M, ULL, LaTech, LSU AgCenter, Tulane, UNO, McNeese, Nicholls |
| 2.A Technology Transfer and/or Commercialization Strategies, Initiatives, Outcomes | SBIR/STTR; Clarify IP role in P&T process; Highlight Faculty IP Successes; Enhance Industry/Univ Partnerships; Enhance Faculty Disclosure Numbers; Strengthen University Licensing Efforts | SBIR/STTR; Incentivize entrepreneurship among faculty; Enhance Faculty Disclosure Numbers; Strengthen University Licensing Efforts; Clarify IP role in P&T process; Highlight Faculty IP Successes; Enhance Industry/Univ Partnerships via Forums, Dialogs, Consortia; ITRS funding expansion; | SBIR/STTR; Incentivize entrepreneurship among faculty; Enhance Faculty Disclosure Numbers; Strengthen University Licensing Efforts; Clarify IP role in P&T process; Highlight Faculty IP Successes; Enhance Industry/Univ Partnerships via Forums, Dialogs, Consortia; ITRS funding expansion; |
| 2.A* Identification of Key Participants | Board of Regents; Campus Intellectual Property Offices; Campus Academic Offices; Key Industry Leaders; Successful Faculty in IP; | Board of Regents; Campus Intellectual Property Offices; Campus Academic Offices; Key Industry Leaders; Successful Faculty in IP; | Board of Regents; Campus Intellectual Property Offices; Campus Academic Offices; Key Industry Leaders; Successful Faculty in IP; |

| | Short-term (<1 year) | Intermediate (1-3 years) | Long-term (3-5+ years) |
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| 2. B Existing and Prospective Strengths which Support 2.A Strategies, Initiatives, Outcomes | Funding Programs – ITRS, SBIR/STTR; Existing University Centers & Institutes; Campus IP & Technology Transfer Offices; Campus Business Enterprise Incubators | Funding Programs – ITRS, SBIR/STTR; Existing University Centers & Institutes; Campus IP & Technology Transfer Offices; Campus Business Enterprise Incubators | Funding Programs – ITRS, SBIR/STTR; Existing University Centers & Institutes; Campus IP & Technology Transfer Offices; Campus Business Enterprise Incubators |
| 2.B* Identification of Key Participants | Board of Regents; Campus IP offices; Successful Faculty IP Examples; Business Incubator Directors | Board of Regents; Campus IP offices; Successful Faculty IP Examples; Business Incubator Directors | Board of Regents; Campus IP offices; Successful Faculty IP Examples; Business Incubator Directors |
| 3.A Workforce Development Strategies, Initiatives, Outcomes | LA GEAR UP; WISE Fund; Co-Op Experiences; Industry Short Courses; Increased Graduate Assistantships; Industry R&D Internships | LA GEAR UP; WISE Fund; Co-Op Experiences; Industry Short Courses; Increased Graduate Assistantships; Industry R&D Internships | LA GEAR UP; WISE Fund; Co-Op Experiences; Industry Short Courses; Increased Graduate Assistantships; Industry R&D Internships |
| 3.A* Identification of Key Participants | Board of Regents; LED; University Campuses; Selected Industry Partners | Board of Regents; LED; University Campuses; Selected Industry Partners | Board of Regents; LED; University Campuses; Selected Industry Partners |
| 3.B Existing and Prospective Strengths which Support 3.A Strategies, Initiatives, Outcomes | GEAR UP Partners; Campus Career Services Offices; Existing Industry/Univ Partners; University Undergrad/Grad Programs; | GEAR UP Partners; Campus Career Services Offices; Existing Industry/Univ Partners; University Undergrad/Grad Programs; | GEAR UP Partners; Campus Career Services Offices; Existing Industry/Univ Partners; University Undergrad/Grad Programs; |
| 3.B* Identification of Key Participants | Board of Regents; LED; University Campuses; Selected | Board of Regents; LED; University Campuses; Selected | Board of Regents; LED; University Campuses; Selected |

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| | Industry Partners | Industry Partners | Industry Partners |
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