## Results for Arraj U.S. Courthouse, Denver, CO, USA Predicted performance results based on Active Phase **Design Phase** information available during Design Phase (set in Module A) Relative Performance Results Key Facts About This Project This project occupancy type(s) includes Office Occupancy and Courtrooms 0 = Acceptable Practice; 3 = Good Practice; 5 = Best Practice Occupancy. The total gross area of the project is 19695 m2, in a building that has 9 floors above grade. The building is new construction only. Assumed life span is 100 years. Amortization rate for embodied energy of Monetary units are in USD existing materials is set at 0 percent. 5 There is no existing building on the site that can be re-used. 4 Max. potentia 76 low-level 108 parameters: Active low-level 3 3 mandatory 3 parameters 2 Site Selection, Project Planning and 15% 2.7 Development 1 **Energy and Resource Consumption** 25% 2.3 **Environmental Loadings** 25% 1.4 0 Indoor Environmental Quality 1.9 15% С Ε F G Α В D Functionality and Controllability of 5% 1.1 **Building Systems** Performance Issue Areas Long-Term Performance 2.8 10% G Social and Economic aspects 5% 0.3 Design Phase scores indicate Potential Performance as predicted by an assessment of building features and plans for construction and operation that are developed during the design process. 2.0 Absolute Performance Results By area By area & occupancy

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1	Total net consumption of primary embodied energy, GJ	0.05 GJ/m2	0.1 GJ/n	n <sup>2</sup> *maph
2	Net annualized consumption of primary embodied energy, MJ / year	45 MJ/m2	53.0 MJ/n	n <sup>2</sup> *maph
3	Net annual consumption of delivered energy for building operations, MJ / year	2020 MJ/m2	2388.0 MJ/n	n <sup>2</sup> *maph
4	Net annual consumption of primary non-renewable energy for building operations, MJ / yr.	2687 MJ/m2	3177.0 MJ/n	n <sup>2</sup> *maph
5	Net annualized primary embodied energy and annual operating primary energy, MJ / year	2732 MJ/m2	3230.0 MJ/n	n <sup>2</sup> *maph
6	Total renewable energy used for operations, MJ / year	2.6 MJ/m2	3.0 MJ/n	n <sup>2</sup> *maph
7	Net annual consumption of potable water for building operations, m3 / year	0.8 m3 / m2	0.9 m <sup>3</sup> /m	n <sup>2</sup> *maph
8	Annual use of grey water and rainwater for building operations, m3 / year	0 m3 / m2	0.0 m <sup>3</sup> /m	n <sup>2</sup> *maph
9	Net annual GHG emissions from building operations, kg. CO2 equivalent per year	135 kg./m2	160.0 kg/m	<sup>2</sup> *maph
10	Swing range of temperature in naturally ventilated primary occupancy areas for more than 90% of occupied hours, deg. C	2.2 deg. C		
11	Proportion of gross area of existing structure(s) re-used in the new project, percent	N.A.		
12	Proportion of gross area of project provided by re-use of existing structure(s), percent	0 percent		