Blue boxes = dimensions (axis labels on charts, tables) Gray boxes = fact tables (center area of charts, numbers in tables)

FK\_MF\_READI\_MEASUREME\_MD\_BUILD

FK\_MF\_READI\_RELATIONS\_MD\_ROOM

MD\_Room (DimsLocation)

MD\_Room\_SurrogateKey MD\_Room\_ID MD\_Room\_BuildingID MD\_Room\_Building MD\_Room\_Longitude MD\_Room\_Latitude MD\_Room\_Elevation MD\_Room\_Shape MD\_Room\_Number MD\_Room\_Name MD\_Room\_Floor MD\_Room\_FloorType MD\_Room\_Accessibility MD\_Room\_AccessibilityCode MD\_Room\_PrimaryUse MD\_Room\_SecondaryUse MD\_Room\_Type MD\_Room\_Category MD\_Room\_SCUPCode MD\_Room\_SCUPCategory MD\_Room\_ResponsibleDept MD\_Room\_CoordinatingDept MD\_Room\_CoordinatingDept2 MD\_Room\_CoordinatingDept3 MD\_Room\_Coordinator MD\_Room\_Coordinator2 MD\_Room\_Coordinator3 MD\_Room\_StudentsAssigned MD\_Room\_AreaRange MD\_Room\_CeilingHeight MD\_Room\_WallAreaRange MD\_Room\_WindowCountRange MD\_Room\_MainPaintColor MD\_Room\_Wing MD\_Room\_Campus MD\_Room\_FirecodeCapacity MD\_Room\_CapacityExact MD\_Room\_Capacity MD\_Room\_ExtraCapacity MD\_Room\_DormStaffType MD\_Room\_DormSpaceClass MD\_Room\_IsQuietArea MD\_Room\_BathroomType MD\_Room\_IsSubstanceFree MD\_Room\_IsVacant MD\_Room\_State MD\_Room\_AuditKey MD\_Room\_Timestamp

numeric varchar(16) varchar(16) nvarchar(32) float float float geography varchar(16) nvarchar(128) varchar(16) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(64) varchar(64) varchar(64) varchar(64) nvarchar(128) nvarchar(128) nvarchar(128) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(32) varchar(16) varchar(32) int varchar(32) varchar(32) varchar(32) varchar(32) char(3) varchar(32) char(3) char(3) varchar(16) bigint timestamp

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MD\_Vendor (DimsOrganization)

MD\_Vend\_SurrogateKey MD\_Vend\_ColleagueID MD\_NonCarlEnt\_Name MD\_NonCarlEnt\_BusAddrCity MD\_NonCarlEnt\_BusAddrUSState MD\_NonCarlEnt\_BusAddrPostalCode MD\_NonCarlEnt\_BusAddrNonUSProvince MD\_NonCarlEnt\_BusAddrCountry MD\_NonCarlEnt\_BusAddrLongitude MD\_NonCarlEnt\_BusAddrLatitude MD\_NonCarlEnt\_BusAddrMilesFromCampus MD\_Vend\_AdvanceID MD\_Vend\_IsOnlyVendor MD\_Vend\_IsActive MD\_Vend\_IsApproved MD\_Vend\_IsStopPayment MD\_Vend\_W9IsOK MD\_Vend\_ECheckOK MD\_Vend\_PrimaryType MD\_Vend\_PrimaryTypeCode MD\_Vend\_TypeList MD\_Vend\_IsRegularType MD\_Vend\_IsLibraryType MD\_Vend\_IsBookstoreType MD\_Vend\_IsCSAType MD\_Vend\_APTypeList MD\_Vend\_AddedBy MD\_Vend\_AddedDate MD\_Vend\_YearsSinceAddedRange MD\_Vend\_YearAdded MD\_Vend\_YearsSinceLastPaidRange MD\_Vend\_YearLastPaid MD\_Vend\_LastPaidDate MD\_Vend\_AuditKey MD\_Vend\_Timestamp

MD\_Building (DimsLocation)

MD\_Building\_SurrogateKey MD\_Building\_ID MD\_Building\_Name MD\_Building\_Group MD\_Building\_Location MD\_Building\_Type MD\_Building\_Status MD\_Building\_Longitude MD\_Building\_Latitude MD\_Building\_Elevation MD\_Building\_Shape MD\_Building\_AgeRange MD\_Building\_YearBuilt MD\_Building\_LastRenovatedRange MD\_Building\_LastRenovatedYear MD\_Building\_PrimaryConstructionType MD\_Building\_Architect MD\_Building\_PrimaryContractor MD\_Building\_ReplacementCostRange MD\_Building\_ContentsValueRange MD\_Building\_OwnershipStatus MD\_Building\_StudentsAssigned MD\_Building\_ResLifeBedroomCapacity MD\_Building\_ClassroomCount MD\_Building\_ClassroomCapacity MD\_Building\_FloorCount MD\_Building\_RoofType MD\_Building\_Size MD\_Building\_NetArea MD\_Building\_GrossArea MD\_Building\_CubicFeet MD\_Building\_IsAccessible MD\_Building\_HasElevator MD\_Building\_IsLandmark MD\_Building\_HallDirector MD\_Building\_AuditKey MD\_Building\_Timestamp

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MD\_Source MD\_Source\_SurrogateKey MD\_Source\_Name MD\_Source\_Type MD\_Source\_AuditKey MD\_Source\_Timestamp

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FK\_MF\_READI\_RELATIONS\_MD\_BUILD

FK\_MF\_READI\_RELATIONS\_MD\_ROOM

FK\_MF\_READI\_RELATIONS\_MD\_BUILD

FK\_MF\_READI\_RELATIONS\_MD\_ROOM

FK\_MF\_READI\_RELATIONS\_MD\_VENDO

FK\_MF\_READI\_RELATIONS\_MD\_SOURC

FK\_MF\_READI\_RELATIONS\_MD\_THING

FK\_MF\_READI\_RELATIONS\_MD\_UNITO

MD\_ThingMeasured MD\_ThingM\_SurrogateKey MD\_ThingM\_Name MD\_ThingM\_AlternateName MD\_ThingM\_Category MD\_ThingM\_AuditKey MD\_ThingM\_Timestamp

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FK\_MF\_READI\_RELATIONS\_MD\_MEASU

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FK\_MF\_READI\_RELATIONS\_MD\_DATE MD\_Time\_TimeInteger

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MD\_Unit\_SurrogateKey

numeric MD\_ThingM\_SurrogateKey

numeric MD\_Source\_SurrogateKey

numeric

FK\_MF\_READI\_RELATIONS\_MD\_TIME MD\_Vend\_SurrogateKey

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numeric MD\_Building\_SurrogateKey

numeric MD\_MQual\_SurrogateKey

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double precision MF\_ReadHourSnap\_MinValue

double precision MF\_ReadHourSnap\_Variance

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bigint

FK\_MF\_UNITC\_RELATIONS\_MD\_TIME MF\_ReadHourSnap\_Timestamp

timestamp

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MF\_ReadingByHourNoAggregations

FK\_MF\_READI\_RELATIONS\_MD\_DATE

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FK\_MF\_READI\_RELATIONS\_MD\_POINT

MD\_UnaggregatableReading

FK\_MF\_READI\_RELATIONS\_MD\_UNITO

MD\_UnaggRead\_SurrogateKey MD\_UnaggRead\_Value MD\_UnaggRead\_AuditKey MD\_UnaggRead\_Timestamp

MD\_UnitOfMeasurement MD\_Unit\_SurrogateKey MD\_Unit\_Name MD\_Unit\_AlternateName1 MD\_Unit\_AlternateName2 MD\_Unit\_Symbol MD\_Unit\_AlternateSymbol1 MD\_Unit\_AlternateSymbol2 MD\_Unit\_Category MD\_Unit\_BtuConversionFactor MD\_Unit\_WattConversionFactor MD\_Unit\_FootConversionFactor MD\_Unit\_SquareFootConversionFactor MD\_Unit\_CubicFootConversionFactor MD\_Unit\_AuditKey MD\_Unit\_Timestamp

numeric FK\_MF\_READI\_RELATIONS\_MD\_THING

int int

FK\_MF\_READI\_RELATIONS\_MD\_VENDO

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FK\_MF\_READI\_RELATIONS\_MD\_SOURC

FK\_MF\_UNITC\_RELATIONS\_MD\_SOURC

FK\_MF\_UNITC\_RELATIONS\_MD\_DATE

FK\_MF\_UNITC\_RELATIONS\_MD\_VENDO

FK\_MF\_READI\_RELATIONS\_MD\_POINT

MF\_UnitCost MD\_Date\_DateInteger MD\_Time\_TimeInteger MD\_Unit\_SurrogateKey MD\_ThingM\_SurrogateKey MD\_Source\_SurrogateKey MD\_Vend\_SurrogateKey MF\_Cost\_Amount MF\_Cost\_InputBy MF\_Cost\_AuditKey MF\_Cost\_Timestamp

int int numeric FK\_MF\_READI\_RELATIONS\_MD\_THING

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FK\_MF\_UNITC\_RELATIONS\_MD\_THING

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FK\_MF\_READI\_RELATIONS\_MD\_MEASU

FK\_MF\_READI\_RELATIONS\_MD\_MEASU

MD\_Point MD\_Point\_SurrogateKey MD\_Point\_ID MD\_Point\_ControlSystem MD\_Point\_Name MD\_Point\_ShortName MD\_Point\_AlternateName MD\_Point\_Type MD\_Point\_OutputType MD\_Point\_Protocol MD\_Point\_IsVirtual MD\_Point\_AggregatorID MD\_Point\_AggregatorName MD\_Point\_SystemID MD\_Point\_SystemName MD\_Point\_DeviceID MD\_Point\_DeviceName MD\_Point\_DeviceModelNum MD\_Point\_DeviceVendor MD\_Point\_DeviceProtocol MD\_Point\_DeviceNetworkAddress MD\_Point\_DeviceResolutionOrAccuracy MD\_Point\_AuditKey MD\_Point\_Timestamp

FK\_MF\_READI\_RELATIONS\_MD\_DATE

FK\_MF\_READI\_RELATIONS\_MD\_TIME

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MD\_MeasurementQuality MD\_MQual\_SurrogateKey MD\_MQual\_Name MD\_MQual\_AuditKey MD\_MQual\_Timestamp

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MD\_Time (DimsTime)

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MD\_Date (DimsTime)

MD\_Date\_DateInteger MD\_Date\_SQLDate MD\_Date\_DDMonYYYY MD\_Date\_YYYYMMDD MD\_Date\_YYYYMM MD\_Date\_Year MD\_Date\_Quarter MD\_Date\_MonthOfFiscalYear MD\_Date\_MonthOfQuarter MD\_Date\_MonthOfFiscalQuarter MD\_Date\_WeekOfFiscalYear MD\_Date\_WeekOfAcademicYear MD\_Date\_WeekOfFiscalQuarter MD\_Date\_DayOfFiscalYear MD\_Date\_DayOfAcademicYear MD\_Date\_DayOfQuarter MD\_Date\_MonthNum MD\_Date\_MonthName MD\_Date\_MonthNameAbbrev MD\_Date\_DayOfMonth MD\_Date\_DayOfWeekNum MD\_Date\_DayOfWeekName MD\_Date\_DayOfWeekNameAbbrev MD\_Date\_DayOfYear MD\_Date\_WeekOfYear MD\_Date\_WeekOfQuarter MD\_Date\_TermName MD\_Date\_AcademicYear MD\_Date\_TermNum MD\_Date\_WeekOfTerm MD\_Date\_DayOfTerm MD\_Date\_FiscalYear MD\_Date\_FiscalQuarter MD\_Date\_DayOfFiscalQuarter MD\_Date\_IsUSCivilHoliday MD\_Date\_IsWeekday MD\_Date\_IsFirstDayOfQuarter MD\_Date\_IsFirstDayOfFiscalQuarter MD\_Date\_IsFirstDayOfTerm MD\_Date\_IsLastDayOfMonth MD\_Date\_IsLastDayOfFiscalQuarter MD\_Date\_IsLastDayOfFiscalYear MD\_Date\_IsLastDayOfYear MD\_Date\_IsLastDayOfTerm MD\_Date\_IsLastDayOfQuarter MD\_Date\_IsLastDayOfWeek MD\_Date\_IsRegistrarCensusDay MD\_Date\_IsFiscalYTD MD\_Date\_IsCalendarYTD MD\_Date\_IsFiscalQTD MD\_Date\_IsTermToDate MD\_Date\_AuditKey MD\_Date\_Timestamp

Physical Data Model

Model: Master Dimensions - SQL 2008 - Physical

Package: StarsEnergy

Diagram: StarsEnergyDiagram

Author: Richard Goerwitz Date: 1/12/2017

Version: 1.x

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