Oregon Trail Electric Cooperative

Commercial Lighting Retrofit

**Information needed for OTEC's lighting rebate. This can be supplied by the vendor, member or a combination of the two. We have attached screen shots from the lighting calculator. We need the information to be able to accurately complete this required lighting tool from BPA.

List of rooms

*See list attached of room types that BPA allows. If you don't know what room type to use, please give us a description of what the room is used for and we will determine what room type to use.

List hours lights are on in each room

Listed by day, week and/or month, depending on amount

IE: Office – 9 hours each day, 5 days a week 45 weeks a year

Storage Room – 1 hour per month 12 months per year

Meeting Room – 3 hours per week, 35 weeks per year

Heating & Cooling by room

*See list of options that BPA allows

IE: Shop – Gas heater no AC

Office - electric wall heaters, window AC

Bathrooms – Electric forced air furnace, Central AC

Office – All electric heat pump with AC

Meeting Room – Gas heat pump with AC

Lights existing by room (Quantity, Type, Wattage)

*See list attached with classes, categories, sub categories that we need.

IE: Shop – (6) 400 watt metal halide

Office – (4) 4 tube 4 foot 32 watt T8 fixtures

==Any lights have controls currently or adding controls in this project?==

    IE: Dimmable, Occupancy Sensors,

    If you do have any of these currently, do the hours you provided reflect that?

    If you do not have them currently, what percentage decrease do you expect (see chart below)

==New LED's being installed by same room's as existing is listed== (Quantity, Type, Wattage)

    *See list attached with classes, categories, sub categories that we need.

    IE: Shop – (4) make/model 250 watt LED

    Office – (4) 4 tube 4 foot 12 watt LED type B tube

==Spec sheets for new LED's==

==Meter Number(s) or OTEC Account Number(s)==

List of Room Types:

Assembly	Hospital Room	Private Office	
Break Room	Industrial	Process	
Classroom	Kitchen	Public Assembly	
Computer Room	Library	Restroom	
Conference	Lobby	Retail	
Dining	Lodging (Guest Rooms	Stairs	
Gymnasium	Open Office	Storage	Warehouse
Hallway	Parking Garage	Technical Area	Other

Operating Schedule (hours of operation and heating & cooling)

Operating Schedule

☐ Use primary operating schedule ☐ Use primary conditioning types

Su M Tu W Th F Sa

* Heating Type [ ] *

Weeks per Year * Cooling Type [ ] *

Annual Hours 0

Heating Type	Cooling Type
No heating	No cooling
Electric resistance	Air cond./ Heat pump
Heat pump	Refrigerated
Gas, oil, or biomass	

Types of lights, quantity, etc:

	Existing Equipment	Proposed Equipment
Quantity		
Class		
Category		
Subcategory		
Lamp Wattage		
Lamps per Fixture		

Class:

```
CFL
Exit Signs
HID
Induction
LED
T10
T12
T8
T8 HP
T5
```
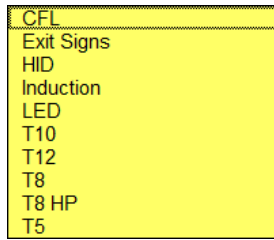
Category- each class type has its own category options:

LED	▾

	▾

```
Gen. Indoor / Outdoor
Tube
Exterior
High Bay
Refrigerated Case
Linear Strip
Small Lamp / Fixture
HID Screw-in Replacement
```

CFL	▾
	▾

```
Cold Cathode
Hard-Wired or GU-24
Screw-In
```

Exit Signs	▾
	▾

```
CFL
Incandescent
LED
Lin. Fluorescent
```

HID	▾
	▾

```
HPS
MH
MV
```

Induction	▾
	▾

```
any type
```

T12	▾
	▾

```
2 ft
3 ft
4 ft
5 ft
5 ft 4 in
6 ft
7 ft
8 ft
U-Lamp
```

T8	▾
	▾

```
4 ft
8 ft
Irregular Size
U-Lamp
```

T8 HP	▾
	▾

```
4 ft
8 ft
```

T10	▾
	▾

```
6 ft
```

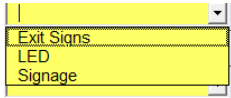| T5	▾
	▾

```
4 ft Hi-Bay
2 ft
4 ft
```
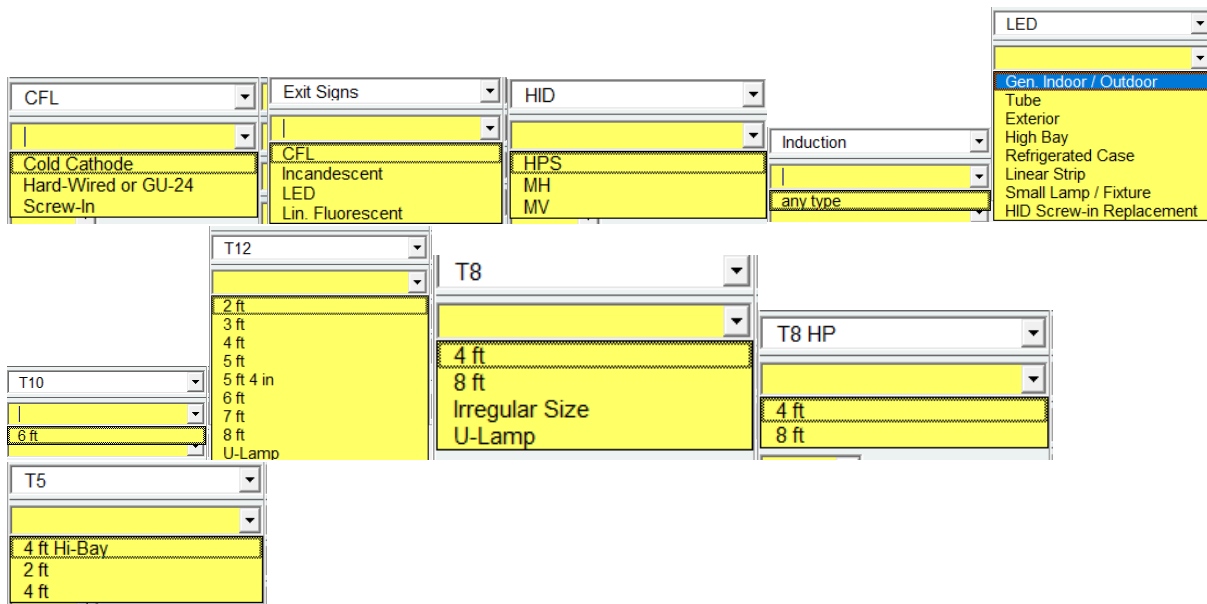
Subcategory:

It has its own set depending on what we chose for Class and Category:

This is things like wattage range, dimmable, flashable, screw-in, plug-in, new fixture, retrofit, etc. – Please provide as much detail as possible about the light, so the person keying the calculator can pick the correct subcategory.
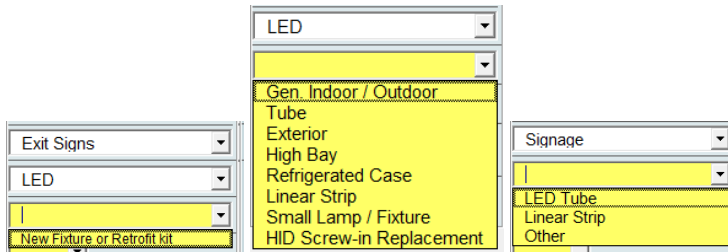
PROPOSED:

Class:

Exit Signs
LED
Signage

Category:

LED

Gen. Indoor / Outdoor
Tube
Exterior
High Bay
Refrigerated Case
Linear Strip
Small Lamp / Fixture
HID Screw-in Replacement

Exit Signs
LED
New Fixture or Retrofit kit

Signage
LED Tube
Linear Strip
Other

Subcategory:

This has things for proposed equipment like Type B Line voltage ballast, wall pack, parking lot, roadway, canopy, yard/barn, standard or with network controls etc. Please provide as much detail as possible about the light, so the person keying the calculator can pick the correct subcategory.

Controls

Occ. Sensor
Multi Function ↓ 100%
Multi Function ↓ 90%
Multi Function ↓ 80%
Multi Function ↓ 75%
Multi Function ↓ 66%
Multi Function ↓ 60%
Multi Function ↓ 50%
Multi Function ↓ 40%
Multi Function ↓ 33%
Multi Function ↓ 25%
Multi Function ↓ 20%
Multi Function ↓ 10%
Other